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C-O-N-F-I-D-E-N-T-I-A-L

SCIENTIFIC INFORMATION REPORT
CHINESE SCIENCE (34)

Summary No 5117

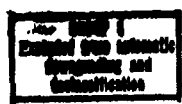
22 October 1963

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C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

SCIENTIFIC INFORMATION REPORT

Chinese Science (34)

This is a serialized report consisting of unevaluated information prepared as abstracts, summaries, and translations from recent publications of the Sino-Soviet Bloc countries. Individual items are unclassified unless otherwise indicated.

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C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

ABSTRACTS FROM ACTAS SINICA

Biological and Medical Sciences

CHAO Chien-ming (6392/1696/6900)

"Materials on the Fauna Tachina Larvaevoridae in China: 3. Notes on a New Species, Parasitic in Oak (Chinese) Silkworm in Northeast China"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 37-39

Excerpts of Russian Abstract: This paper describes a new species of Tachina which is seriously destructive of the oak silkworm in Northeast China. The types and paratypes are preserved in the Institute of Zoology, Chinese Academy of Sciences. The author specifies differentiating characteristics of the new species -- *Crossocosmia* (Hertingia) *tibialis* Chao sp. n. -- and the closely related *Cr. schiner* Mesnil.

This paper was received for publication on 28 September 1962.

Author's Affiliation: Institute of Zoology, Chinese Academy of Sciences.

LO Tse-hsun (5012/3914/3800)

LIANG Pai-ling (2733/2672/7881)

"Discussion on the Chinese Common Names of the Trombiculid Mites"

Peiping, K'un-ch'ung Hsueh-pao (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 107-114

Excerpts of Chinese Abstract: It is suggested that the common Chinese names for Trombiculidae, such as Yang-ch'ung (1860/5849), which is named after the Japanese Tsutsugamushi, should be changed to Sha-shih (3097/5810).

References: Authors used 46 Chinese, 8 English, and 2 German references.

This paper was received for publication on 19 June 1962.

Authors' Affiliation: LO, Institute of Zoology, Chinese Academy of Sciences; PAI, Canton Central Tuberculosis Institute.

C-O-N-F-I-D-E-N-T-I-A-L

HO Ch'ia (0149/3823)
SHENG Po-liang (4141/0130/2733)
TENG Ta (6772/6671)
SUN Chin-lin (1327/6855/3829)
CH'EN Teng-hung (7115/6260/1347)
HUANG Chi-lung (7806/0796/7893)

"A Study of the Bionomics of Anopheles Leucosphyrus Donitz in Hainan Island"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 29-36.

Text of English Abstract: A. leucosphyrus Donitz has been considered as an important vector of malaria in Borneo, Burma, Indonesia, and Assam. Its distribution in our country so far is confined to Hainan Island and the southern part of Yunnan Province.

A study of the bionomics of A. leucosphyrus carried out in 1954-1957 in Hainan Island proved it to be an exophilic species. Food habit survey either by using pre-cipitin-test or by direct observation

(continued)

proved that A. leucosphyrus sucks chiefly human blood. In the several places under survey, wherever dissections were made, gladd positive specimens has been found. There were 146 and 971 specimens dissected in Lian-chang and Nan-feng, and the glad infection rates were 4.1 percent and 2.2 percent, respectively.

This species showed a marked preference to breed in quiet, shallow pools of forest creeks and streams. According to its habits, A. leucosphyrus is an important vector in the woody part of the island.

References: Authors used 4 Chinese and 13 English references.

This paper was received for publication on 4 September 1961.

Authors' Affiliation: HO, Anhwei Institute of Parasitology; all others, Institute of Parasitology, Chinese Academy of Medical Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Tun-ch'ing (3768/2415/3237)

"Records of Four Species of Steatonyssus Kolenati, 1858 (Acarina, Liponyssidae) From Fukien, China"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 54-60

Excerpt of English Abstract: Four species of Steatonyssus Kolenati, 1858, were collected in 1955-1960 from Fukien, China. Steatonyssus stenosternus n. sp. was found in the nests of Passer montanus; Steatonyssus abramus n. sp., and Steatonyssus longispinosus n. sp., in the nests of Pipistrellus abramus; and Steatonyssus viator, in swallow nests.

The authors express thanks to WEN T'ing-huan (3306/1694/2719) for his advice in rendering a scientific term in Chinese.

References: the authors used five English and two Russian references, dated 1921-1960.

This paper was received for publication on 14 February 1962.

Author's Affiliation: Fukien Research Institute of Epidemic Diseases.

C-O-N-F-I-D-E-N-T-I-A-L

CHU Hung-fu (2612/1738/1788)
WANG Lin-yao (3769/2651/3852)

"Studies on the Chinese Cabbage Sawflies With Special Reference to
Geographical Distribution"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1,
Feb 63, pp 93-96

Text of English Abstract: In the course of a synoptic study on the Chinese sawflies of the genus *Athalia*, it is realized that the specific and infraspecific problems of the Chinese cabbage sawfly need to be clarified promptly. Based upon a considerably amount of materials in the insect collection of our institute, three species (five subspecies) of the Chinese cabbage sawfly are recognized, i.e., *Athalia nigromaculata* nigromaculata Cameron, *A. japonica* (Klug), *A. rosae rosae* (Linnaeus), *A. rosae japonensis* (Rhower), and *A. lugens proxima* (Klug). For the convenience of identification, a key to species and subspecies is prepared.

The geographical distribution of the above-mentioned species and subspecies of the Chinese cabbage sawflies (as shown in Fig 1)

(Continued)

forms another part of this paper. *A. Nigromaculata nigromaculata* is an endemic subspecies of Tibet. *A. rosae rosae* is only distributed in Sinkiang District. The most widely distributed subspecies is *A. rosae japonensis*, covering almost the entire territory of China except Tibet. *A. lugens proxima* seems to be limited to the Yangtze River region. *A. Japonica* is scattered in various places of China.

The authors express thanks to SUN Ts'ai-hung (1327/1752/5725) for his assistance.

This paper was received for publication on 9 July 1962.

Authors' Affiliation: Both of Institute of Zoology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Kuang-Kuang (7115/0337/0342)
CH'IN Chun-te (2953/0193/1795)

"An Electrophysiological Study on the Dark Adaptation of the Compound Eye of the Armyworm Moth, *Leucania Separata* Walker (Notuidae: lepidoptera)"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 1-8

Abstract: English abstract accompanies this article.

The authors express thanks to T'EN Hsueh-wen (3944/1331/2429) and YU Yen-fen (0060/1963/5358) for their assistance and to KUO Fu (6753/6744) and TI Ch'i-hui (5049/0796/1979) for their enthusiastic support.

This paper was received for publication on 11 April 1962.

Authors' Affiliation: Both of Institute of Zoology, Chinese Academy of Sciences.

CH'IU Ming-hua (5941/2494/5478)
FANG Ch'in-ch'uan (2455/0530/1227)
LIU Lien-chu (0491/6647/3796)

"The Trombiculid Mite *Odontacarus Yosanoi* Fukuzumi et Obata, 1953 in Chungking and a Description of New Species of the Genus *Gahrlepiea* (Acariformes, Trombiculidae). (Studies on Tsutsugamushi, Part XXXIV)"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 41-48

Abstract: English abstract accompanies this article.

References: The authors used seven Chinese, four English, and one Russian reference, dated 1953-1962.

Authors' Affiliation: CH'UN, Department of Parasitology, Chungking Medical College; FANG, Chungking Public Health Station; LIU, Seventh Military Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

HSU Yin-ch'i (1776/5593/4388)
WEN T'ing-huan (3306/1694/2719)

"Revision of the Subfamily Leeuwenhoeekinae (Acariformes, Thrombiculidae) and Description of a New Genus. (Studies on Tsutsuamushi, Part XXXIII)"

Peiping, K'un-ch'ung, Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 49-52

English text accompanies this article.

References: The authors used 12 English, 3 Chinese, and one Russian references, dated 1929-1959.

This paper was received for publication on 9 February 1962.

Authors' Affiliation: Both of the Department of Parasitology, Shanghai First Medical College.

CHIANG Shu-nan (5592/2579/2809)

"Results of the Zoologico-botanical Expedition to Southwest China, 1955-1957 (Coleoptera, Cerambycidae)"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 61-71

English text accompanies this article.

This paper was received for publication on 24 May 1962.

Author's Affiliation: Southwest Agricultural College.

C-O-N-F-I-D-E-N-T-I-A-L

P'U Che-lung (5543/5832/7893)

"Results of the Zoologico-botanical Expedition to Southwest China, 1955-1957 (Coleoptera, Hydrophilidae)"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 76-80

English text accompanies this article.

This paper was received for publication on 27 November 1961.

Authors' Affiliation: Department of Biology, Chung-Shan University.

LI Ch'uan-lung (2621/0278/7127)

"Studies of Chinese Colias Hyale L. and Colias Erate Esp. and Their Geographical Distribution"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12, No 1, Feb 63, pp 98-103

Abstract: English abstract accompanies this article.

The author expresses thanks to the following institutions for their guidance: Institute of Zoology, Chinese Academy of Sciences; Museum of Natural History, Heilungkiang Province; Northeast Agricultural College; Northeast College of Forestry; Mukden Agricultural College; Ch'ih-feng-chao Meng Institute of Agricultural Research, Inner Mongolia; and the Museum of Natural History, Hopeh Province.

References: The author used 22 English, 7 Chinese, 4 German, and one French references, dated 1859-1953.

The paper was received for publication on 2 January 1962.

Author's Affiliation: Institute of Zoology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CHIN Ta-hsiung (6855/1129/7160)

"Stapelia, the Odor of Stapelia Flower Stimulates Oviposition of
Lucilia Sericata (MG.)"

Peiping, K'un-ch'ung Hsueh-pao, (Acta Entomologica Sinica), Vol 12,
No 1, Feb 63, p 115

No abstract given.

This paper was received for publication on 31 August 1962.

Authors' Affiliation: Kweiyang Medical College.

CH'EN Hui-li (7175/1920/7812)

LI Liang (2621/0081)

"Comparative Studies on Transamination in Animal Tissues: 1. A Compar-
ison of the Transamination of Twenty-Two Amino Acids With Alpha-Ketog-
lutaric Acid in the Livers of Five Species of Vertebrates"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochim-
ica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 1-11

Abstract: English abstract accompanies this article.

This paper was received for publication on 19 April 1962; the principal
content was reader at the National Biochemistry Conference in Shanghai in
January 1960.

Authors' Affiliation: Both of Department of Biochemistry, Shanghai
First Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Hui-li (7115/1920/7812)

"Comparative Studies on Transamination in Animal Tissues: 2. Transamination of Glycine and Histidine in the Liver"

Peiping, Shen-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao, (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 13-17

Abstract: English abstract accompanies this article.

This paper was received for publication on 19 April 1962; the principal content was read at the National Biochemistry Conference in Shanghai in January 1960.

Authors' Affiliation: Department of Biochemistry, Shanghai First Medical College.

CH'EN Hui-li (7115/1920/7812)

"Comparative Studies on Transamination in Animal Tissues: 3. Transamination of Arginine and Ornithine in the Liver"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao, (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 18-22

Abstract: English abstract accompanies this article.

This paper was received for publication on 26 May 1962; the principal content was read at the National Biochemical Science Conference in January 1960.

Authors' Affiliation: Department of Biochemistry, Shanghai First Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

WU Ch'in-jung (0224/2953/2837)
SHIH Wan-ch'in (2514/1238/0530)

"Studies on the Active Center of Aldolase"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica), Vol 3, No 1, Feb 63, pp 23-27

Abstract: English abstract accompanies this article.

References: Of the 12 references used, all are in English except one Chinese.

This paper was received for publication on 4 September 1962.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese Academy of Sciences; SHIH is a student in a refresher course at the Shansi branch of the Chinese Academy of Sciences.

SUN Yu-k'un (1327/3768/3824)
TSOU Ch'eng-lu (6760/2110/7627)

"Studies on Papain: 4. Carboxymethylation of Histidine Residue at the Active Site"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 35-45

Abstract: English abstract accompanies this article.

References: Of the 18 references used, dated 1946-1960, all are in English except one Chinese written by the authors of this article. This reference is entitled "Studies on Papain: 3. Histidine and Tryptophane Residues As Essential Groups, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao, Vol, 2, No 3, Sep 62, pp 195-201.

This paper was received for publication on 17 October 1962.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

LIN Ch'i-shui (2651/0366/6142)
WU Ch'in-jung (0124/2953/2837)

"Studies on the Oxidation of Reduced Nicotinamide Adenine Dinucleotide Phosphate"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao, (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 28-34

Abstract: English abstract accompanies this article.

References: Of the 15 references used, dated 1950-1962, all are in English except one German and one Chinese.

This paper was received for publication on 11 September 1962.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese Academy of Sciences.

CHANG Yu-shang (1728/0645/1424)
PEI Mei-yun (5952/5019/0061)
TS'AO Tien-ch'in (2580/1131/2953)
CHOU Chia-ch'ih (0719/1367/2589)

"A Comparative Chemical and Physicochemical Study of Several Strains of Tobacco Mosaic Virus"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 47-53

Abstract: English abstract accompanies this article.

References: Of the 26 references used, dated 1935-1962, 16 are in English, 5 in Chinese, 3 in German, and 2 in Russian.

This paper was received for publication on 22 October 1962.

Authors' Affiliation: CHANG and TS'AO, Institute of Biochemistry, Chinese Academy of Sciences, Shanghai; PEI and CHOU, institute of Microbiology, Chinese Academy of Sciences, Peiping.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Kung-mou (3088/7255/8574)

YANG Shan-yuan (2799/0810/0337)

CH'EN Yun-kang (3088/0336/6921)

YIN Hung-chang (3009/1347/4545)

"Studies on Photophosphorylation: 6. Phosphorylation Coupled With the Photoreduction of 2,6-Dichlorophenol Indophenol by Chloroplasts"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao, (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 59-65

Abstract: English abstract accompanies this article.

WANT Hsiu-fang (3076/4423/5364) participated in the research.

References: Of the 19 references used, dated 1949-1962, all are in English except two, which were Chinese and were coauthored by two of the authors of this article, namely, the two CH'ENS.

This paper was received for publication on 23 October 1962.

Authors' Affiliation: All of Institute of Plant Physiology, Chinese Academy of Sciences, Shanghai.

SUN Yu-k'un (1327/3768/3823)

HUANG Hsiang-ying (7806/4382/5391)

"The Polymerization of Leucinamide Catalyzed by a Beef Spleen Enzyme"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 67-73

Abstract: English abstract accompanies this article.

References: Authors used 17 English and one Chinese references, dated 1934-1962.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

HU Ping-sheng (5170/3521/8508)
LIU Ch'eng-pin (0491/2100/2430)
WU Hui (0702/5057)
LIANG Chih-ch'uan (2733/2784/2938)

"Studies on the Analysis of Purine and Pyrimidine Bases of Nucleic Acid:
3. A Spectrophotometric Method for the Analysis of the Purine and Pyrimidine
Bases in DNA"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu-li Hsueh-pao (Acta Biochimica
et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 74-78

Abstract: English abstract accompanies this article.

References: Authors used ten English and two Chinese references, dated
1951-1962; the Chinese references are dated 1962 and are by some of the
same authors as this article.

This paper was received for publication on 31 October 1962.

Authors' Affiliation: All of Department of Biochemistry, Institute of
Experimental Medicine, Chinese Academy of Medical Sciences, Peiping.

KUNG Yueh-t'ing (7855/1547/0080)
KO Lin-tsun (5514/7792/0193)
NIU Ching-i (6873/4843/5030)

"Synthesis of the Peptide Fragments of the B-Chain of Insulin: 5. Studies
of the Synthesis and Degradation of a Derivative of the C-Terminal Decapep-
tide of the B-Chain of Insulin"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu-li Hsueh-pao (Acta Biochimica
et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 80-88

Abstract: English abstract accompanies this article.

This paper was received for publication on 2 November 1962.

Authors' Affiliation: All of Institute of Biochemistry, Chinese Academy
of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

TU Yu-ts'ang (2629/7183/5547)
TSOU Ch'eng-lu (6760/2118/7627)

"The Determination of Protein Sulphydryl Groups in Presence of Excess Thioglycolic Acid"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 88-94

Abstract: English abstract accompanies this article.

References: Date span of the 11 English references is 1944-1960; the one Chinese reference is dated 1961 and was written by TU of this article and others.

This paper was received for publication on 6 November 1962.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese Academy of Sciences, Shanghai.

HSU Ken-chun (6079/2704/0193)
TSOU Ch'en-lu (6760/2110/7627)

"Kinetics of the Effect of Inhibitors on Systems Involving Two Enzyme-Intermediates"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao, (Acta Biochimica et Biophysica Sinica), Vol 3, No 1, Feb 63, pp 96-103

Abstract: English abstract accompanies this article.

References: Of the 27 references used, dated 1947-1962, 25 were in English and 2 in Chinese.

This paper was received for publication on 13 November 1962.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

HO Li-yi (0149/7787/0001)
CH'WN Lan-ying (7115/5695/5391)
CHANG Yu-chung (4545/5148/0022)

"Paper Chromatographic Separation and Spectrophotometric Determination of Lycorine"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 1-4 (Four)

Abstract: English abstract accompanies this article.

This paper was received for publication on 19 February 1962.

Authors' Affiliation: All of Institute of Materia Medica, Chinese Academy of Medical Sciences, Peking.

CHOU Tsu-te (0719/4371/1795)
MEI Fan (2734/2397)
CHANG Hung-liang (1728/7703/5328)

"Tumour Chemotherapy XV. Arsenic Derivatives of Some Dithiols"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 5-9 (Four)

Abstract: English abstract accompanies this article.

References: Many of the references used date back to the 1920s

This paper was received for publication on 31 March 1962.

Authors' Affiliation: All of Institute of Materia Medica, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

TU Chien-yeh (2629/1696/2814)
TSANG Feng-ho (5258/7685/0735)

"Complexometric Titration in the Determination of Alkaloids I. The Determination of Alkaloid Salts by Cation-Exchange Followed by Complexometric Titration"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 10-14 (Four)

Abstract: English abstract accompanies this article.

This paper was received for publication on 19 July 1962.

Authors' Affiliation: Both of Department of Pharmacy, Peking Medical College.

HSU Shu-yun (1776/0647/0061)
P'ENG Hua-min (1756/5478/3046)
HSING Wen-heng (6717/2429/9513)

"Studies on the Hypotensive Effect of the Chinese Drug 'Kwang-ti-lung' (Lumbricus Kwangtangensis) and Its Mechanism"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 15-20 (Four)

Abstract: English abstract accompanies this article.

References: All references given are in Chinese.

This paper was received for publication on 26 February 1962; abstracts from this paper were read at the nationwide Scientific Report Conference on Cardiovascular Disease at Sian in December 1959.

Authors' Affiliation: All of Department of Pharmacology, Anhwei Medical College, Hefei.

C-O-N-F-I-D-E-N-T-I-A-L

LIU Ming-chang (0491/2494/4545)
CH'EN Mei-ling (3088/5019/3781)
HSU-Pin (5171/1755)

"Studies on Antitumor Drugs, XV. Effects of 1-p-Nitrobenzyl-2-(p-Bis-2-Chloroethylaminobenzylidene) Amino-1, 3-Propanediol (at -16) on Experimental Tumors.

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 22-28 (Four)

Abstract: English abstract accompanies this article.

The authors express thanks to JEN Fan-yu (0117/5400/0645) and MAO Pai-yung (5403/4102/0516) for participating in part of the work done on this paper.

This paper was received for publication on 23 July 1962.

Authors' Affiliation: All of Institute of Materia Medica, Chinese Academy of Sciences, Shanghai.

T'ANG Hsi-ts'an (0781/1585/3605)
CHIN Kuo-chang (6855/0948/4545)
HSU Pin (5171/1755)

"Neuropharmacologic Actions of Ring Opening Analogues of Chlorpromazine"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 30-37 (Four)

Abstract: English abstract accompanies this article.

The authors express thanks to Prof CHI Ju-yun (1518/3067/6663) and Prof TING Kuang-sheng (0002/3067/3932) for their valuable opinions and to CHIEN Ch'i-wen (4675/0796/2429) for his participation in some of the work.

This paper, received for publication on 13 August 1962; was read at the annual meeting of the Shanghai Physiology Society on 26 May 1962.

Authors' Affiliation: All of Institute of Materia Medica, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

LO K'ai-li (2867/7030/4409)
YANG Te-hsing (2799/1795/7451)
CHOU Yun-hsien (0719/0061/0103)

"The Pharmacological Study of *Tupistra Fimbriat* A H-M, I. Cardiotonic Effect and Estimation of Biological Activity"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 39-42 (Fouo)

Abstract: English abstract accompanies this article.

The authors express their thanks to HU Yueh-ying (5170/2588/5391) for collecting and supplying materials for experiments.

This paper was received for publication on 2 April 1962; abstracts from this paper were read at the 1961 meeting of the Yunnan Medical and Pharmaceutical Society.

Authors' Affiliation: All of Department of the Pharmacological Research, Institute of Medical Plants, Yunnan Kwming.

LI Jui-lin (2621/3843/7792)
LU Ting-hsi (7120/1353/3556)
LEI Hsing-han (7191/5281/5060)

"The Synthesis of α, α' -Dimercapt θ -Succinic Acid"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 44-46 (Fouo)

Abstract: English abstract accompanies this article.

This paper was received for publication on 10 April 1962.

Authors' Affiliation: All of Shanghai Institute of Pharmaceutical Industrial Research, Ministry of Chemical Industry.

C-O-N-F-I-D-E-N-T-I-A-L

CH'U Ching-ch'i (4234/7231/3823)

KUAN Li-jen (4619/4539/0086)

KAO Chin-t'ung (7359/6855/2717)

"The Leishmanicidal Effects of Four 8-Aminoquinoline Drugs, A Preliminary Study"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 47-49 (Fouo)

Abstract: English abstract accompanies this article.

The authors express thanks to the Shanghai Research Institutes of Medical and Pharmaceutical Industries for providing the drugs (6-methoxy-8- β -(4'-methylpiperazin-1-yl) propylamino/ quinoline trihydrochloride), and (6-methoxy-8- β -(4'-morpholino) propylamino/ quinaline dihydrochloride).

This paper was received for publication on 29 April 1962.

Authors' Affiliation: CH'U and KUAN of Institute of Parasitic Diseases, Chinese Academy of Medical Sciences; KAO of Shantung Provincial Institute of Parasitic Disease,

CHIN Kuo-chang (6855/0948/4545)

TSOU Kang (6760/1481)

HSU Pin (5171/1755)

"Recent Advances in Psychotherapeutic Drugs, Monoamine Oxidase Inhibitors"

Peiping, Yao-hsueh Hsueh-pao (Acta Pharmaceutica Sinica), Vol 10, No 1, Jan 63, pp 51-63 (Fouo)

Abstract: Not given.

References: A total of 80 references are given, including American, German, etc.

This paper was received for publication on 3 May 1962.

Authors' Affiliation: All of Institute of Materia Medica, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

MA Ling-han (7456/0407/3352)
LU Tzu-hui (7627/1311/1920)

"The Brain of the Neomoris Phocaenoides"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63,
pp 1-6

Abstract: English abstract accompanies this article.

The author expresses thanks to LU Yu-tao (4151/0060/6670) and CHANG Hsiang-t'ung (1728/2449/2717) for their inspection of the manuscript and their opinion and to MAO Chin-piao (3029/6855/2871) for the photographs.

Authors' Affiliation: Both of Institute of Physiology, Chinese Academy of Sciences.

SHIH Ai-jung (4258/1947/2837)
FENG Han-ch'ung (7458/5060/3890)
SUN K'o-chi (1327/0344/4949)

"Cytological and Histochemical Study of the CCl₄-Induced Cirrhosts of the Rat Liver"

Peiping, Chieh-p'ou Hsueh-pao, (Acta Anatomica Sinica), Vol 6, No 1, Feb 63, pp 9-19

Abstract: English abstract accompanies this article.

The author expresses thanks to prof MA Wan-chao (7456/2429/2507) and prof LI Chao-t'e (2621/5128/3676) under whose guidance the research was completed.

Authors' Affiliation: All of Histology Teaching and Research Section, Peking Medical College: SUN; current address is Histology Teaching and Research Section, Peking Second Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

LU Chu (7627/2691)

"The Comparative Study of the Nerve Endings of the Extrinsic Eye Muscles"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63,
pp 20-28

Abstract: English abstract accompanies this article.

Author's Affiliation: Anatomy Teaching and Research Section, Second
Military Medical College.

LEI Ch'i (7191/3826)

"Nerves and Arteries of the External Ear"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63,
pp 29-37

Abstract: English abstract accompanies this article.

The author was under the guidance of CHENG Szu-ching (6774/1835/4552).

Author's Affiliation: Anatomy Teaching and Research Section, Shanghai
First Medical College, current address is Hopeh Medical College, Shih-
chia-chuang.

C-O-N-F-I-D-E-N-T-I-A-L

TING Chao-lin (0002/5128/2651)

"Observations During the Process of Wound-Healing in the Cardiac Muscles of the Rats"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63, pp 38-45

Abstract: English abstract accompanies this article,

The author expresses thanks to Prof CHANG Tsu-Kan (1728/0155/1626) for his valuable opinions on the paper and to HO Ying-ch'un (0149/6601/2504) and CHAN Hsiu-ying (2669/4423/5391) for their help on the paper.

Author's Affiliation: Histology and Embryology Teaching and Research Section, Harbin Medical College, Harbin.

TSANG Hsu (5258/2485)

FAN Tu (5400/1653)

"A Monster in the Left Ventricle"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63, pp 46-51

Abstract: English abstract accompanies this article.

The author express thanks to Prof HSUEH She-p'u (5641/4357/2525) for his valuable corrections.

Author's Affiliation: TSANG, Department of Pathology, Chinese Academy of Medical Sciences, Peking; FAN, Department of Neurosurgery, Peking Union Hospital.

C-O-N-F-I-D-E-N-T-I-A-L

LI Oh'ung-kao (2621/1504/7559)
WANG Hsien-jung (3769/0341/2837)

"The Morphology of Nuclear Appendages of Human Neutrophils in Both Sexes"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1,
Feb 63, pp 52-60

Abstract: English abstract accompanies this article.

The author expresses thanks to Prof CHANG Ai-ch'eng (1728/1947/6134)
for his guidance and help.

Authors' Affiliation: Both of Histology and Embryology Teaching and
Research Section, Lanchow Medical College, Kansu.

YU Ping-hui (6735/4426/6540)

"The Braching of the Proper Hepatic Artery in 50 Chinese Children"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1,
Feb 63, pp 61-70

Abstract: English abstract accompanies this article.

The author expresses thanks to Prof LI Hsueh-yu (2621/1331/4416) for his
inspection of the paper; to WANG Shih-chu (3769/1102/1337) and HO Ping-
jung (6320/3521/2837) for their help on this paper.

Author's Affiliation: Kiangsu Medical College, Suchow.

C-O-N-F-I-D-E-N-T-I-A-L

WAN Ching-hua (5502/2529/5478)
LI Ching-te (2621/2529/1795)
TS'UI Ming-chiang (1508/2494/3068)

"These-Horizontal-Section Method for Counting the Cells of Half Side of the Anterior Pituitary Gland"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63, pp 72-78

Abstract: English abstract accompanies this article.

Authors' Affiliation: All of Institute of Blood Transfusion and Hematology, Chinese Academy of Medical Sciences, Tientsin.

WEI Hsin-yuan (7614/9515/0337)

"The Morphology of the Accessory Nerve"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63, pp79-85

Abstract: English abstract accompanies this article.

The author expresses thanks to Prof P'AN Ming-tzu (3382/6900/4793), Prof LI Chi-shih (2621/4949/4311), Prof KUNG Shao-ch'ing (1362/1421/7230), and others for their guidance and help.

Author's Affiliation: Department of Anatomy, Fourth Military Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

CHANG Sheng-kuei (1728/3932/6311)

LI P'ing-chou (7812/1456/0719)

CHU Kung-jen (2612/0361/0117)

LI Kuan-ch'eng (2621/0385/1004)

"A Preliminary Study of the Suprameatal Spine of Chinese Crania"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63, pp 87-89

Abstract: English abstract accompanies this article.

The authors were under the guidance of P'AN Ming-tzu (3382/6900/4793).

Authors' Affiliation: All of Human Anatomy Teaching and Research Section, Fourth Military Medical College, Sian; Current address for CHANG and LI is Kiangsi Nan-ch'ang Medical College; for CHU, Ch'i-ch'i-ha-erh Medical College; for LI Nanking Railway Medical College.

TS'UI Mo (1508/2875)

CHANG Ch'ao-yu (1728/2600/0147)

"Measurements of the Osseous Lacrimal Passage in the Chinese Orbits"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63, pp 90-93

Abstract: English abstract accompanies this article.

The authors express thanks to Prof CHANG Yen (1728/1485), Asst Prof LIANG Shu-chin (2733/2885/0093), and Asst Prof WANG Han-ch'ing (3076/3063/0615) for their corrections.

Authors' Affiliation: Both of Hopei Medical College, Shih-chia-chuang.

C-O-N-F-I-D-E-N-T-I-A-L

T'ANG Chu-wu (0781/4554/0710)
SUN T'ing-k'uei (1327/1694/7608)
CHANG Shu-ch'in (1728/2579/3830)
LIU Ch'ao-pao (0491/2600/1405)
WANG Wen-kuei (3769/2429/6311)

"The Metrical Features and the Distribution of the Muscular Branches of the Nerves (Median Radial and Musculo-Cutaneous Nerves) in the Upper Extremity"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, Feb 63, pp 95-104

Abstract: English abstract accompanies this article.

The authors express thank to Prof CHANG Iso-Kan (1728/0155/1626) who criticized and corrected the paper after it was read at the 1957 annual meeting of the Port Arthur-Dairen Anatomy Conference.

Authors' Affiliation: All of Human Anatomy Teaching and Research Section, Dairen Medical College.

Earth Sciences

LI Hsiao-ch'uan (2621/1420/3123)

"Some Features of the Circulation Indexes at the 500 mb Level Over Asia"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, Feb 63, pp 1-13

Translation of Russian Abstract: On the basis of analyses of meridional and latitudinal indexes for Asia for periods of several years and for 5-day periods (or according to the natural synoptic period), this article describes climatic characteristics and synoptic-climatic laws, their relation to weather over China, and their year-by-year changes with respect to solar activity.

The author extends thanks to YANG Chien-ch'u (2799/7003/0443), under whose direction the work was carried out; to SHIH Chiu-en (0670/0036/1869) and CHANG Chia-hsien (1728/1867/6185), for their valuable suggestions; to TI Tung-ken (5049/2787/2704), for his part in the statistical work; and to SHEN Nien-tsu (3088/1819/4371) of the Central Weather Station, for his work on the maps.

of 16 references dated 1943 to 1962, 8 are Russian, 6 are Chinese, and 2 are English.

The article was received for publication on 5 June 1962, and a corrected draft was received on 3 November 1962.

Author's Affiliation: Central Institute of Meteorology, Central Meteorological Bureau.

C-O-N-F-I-D-E-N-T-I-A-L

CHOU Hsiu-chi (0719/4423/7535)

"A Statistical Theory of the Micro-Physical Processes of the Formation of Precipitation From Warm Clouds"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, pp 97-107

Translation of Russian Abstract: The theory of random processes is the basis for examining certain microphysical processes in the enlargement of drops in warm clouds. Growth of cloud drops has a fluctuating nature. Thus, it is shown that, in addition to average air flows, turbulence in the cloud is an important factor in the enlargement of cloud drops. The formation of cloud drops measuring 15 μ in radius is mainly determined by the fluctuating condensation and the turbulent electric coalescence in the absence of huge nuclei. Subsequently, the enlargement of cloud drops to the size of raindrops occurs as the result of the result of the combined action of fluctuation in the cloud's water content and turbulent acceleration. Finally, a model is proposed to help explain the rapid formation of precipitation from small cumuli and large rain cumuli under suitable conditions.

of 19 references dated 1936-1961, 10 are in English, 7 in Russian, one in Chinese, and one in German.

Author's Affiliation: Institute of Geophysics and Meteorology, Chinese Academy of Sciences.

TS'ENG Ch'ing-ts'un (2582/1987/1317)

"The Influence of Disturbances on the Adaptation Process in the Atmosphere and the Problems of Using Anemometric Data"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, Feb 63, pp 37-50

Excerpts of Chinese Abstract: This paper proposes several formulas for finding the final conditions of adaptive processes in a baroclinic atmosphere. Under extreme circumstances, these formulas tend toward conditions of regular atmospheric pressure. Under general baroclinic circumstances, conditions are very complicated, and when there are violent vertical shears at the lower levels of the initial disturbance, it contributes to the maintenance of the atmospheric pressure field, and the wind field adapts to the atmospheric pressure field.

References: Of 9 references dated 1937-1959, 4 are in Russian, 2 in Chinese, and 3 in English.

This paper was received for publication on 26 July 1962; a corrected draft was received on 13 November 1962. It was originally a part of a graduate thesis by the present author, prepared under the direction of I. A. Kibel' of the Academy of Sciences USSR, completed in 1959-1960.

Author's Affiliation: Institute of Geophysics [and Meteorology], Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Jung-hua (3769/2837/5478)

"The Tracks of Extratropical Cyclones in Eastern Asia"
Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33,
No 1, Feb 63, pp 15-24

Abstract: English abstract accompanies article.

The author extends thanks to CH'ENG Ch'un-shu (4454/4783/2873) and
T'AO Shih-yen (7118/6108/6056) for their direction and to CHIEN Ch'i-
ling (4675/3825/3781), LI Yu-fang (2621/3022/5364) and YANG Yun-hua
(2799/5686/5478) for their participation in the statistical work.

References: Of the seven references, used, dated 1955-1958, all are by
Chinese authors, except one in English.

This paper was received for publication on 8 September 1962; a corrected
draft was received on 9 November 1962.

Author's Affiliation: Institute of Meteorology, Central Meteorological
Bureau.

CHEN Ch'iu-shih (7115/4428/1102)

"On the Formation and Destruction of Thermal Wind in a Simple Baroclinic
Atmosphere"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33,
No 1, Feb 63, pp 51-63

Abstract: English abstract accompanies article.

References include 2 Chinese, 3 Russian, and 3 English sources, dated
1937 to 1958.

This paper was received for publication on 16 August 1962; a corrected
draft was received on 30 October 1962.

Author's Affiliation: Department of Geophysics, Peking University.

C-O-N-F-I-D-E-N-T-I-A-L

CHANG Hsien-kung (1728/0341/1872)
SUN I (1327/5065)
HSU Ch'un (1776/5028)

"A Preliminary Analysis of Abnormal Precipitation Distribution in Eastern China in the First Six Decades of the Present Century"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, Feb 63, pp 64-77

Abstract: English abstract accompanies article.

The author extends thanks to YANG Chien-ch'u (2799/7003/0443), under whose direction the work was completed; to Deputy Director LU Wu (4151/6909) of the Central Meteorological Bureau, for his encouragement; and to CHENG Hsiu-ya (6774/4423/7161) and YU Ming-hui (0351/2494/5610), for their part in the research.

References: Of 15 references used, dated 1937-1962, 9 are in Chinese, 3 in Russian, and 3 in English.

This paper was received for publication on 21 May 62; corrected drafts were received on 17 September and 2 November 1962.

Author's Affiliation: All of Institute of Meteorology, Central Meteorological Bureau.

TSO Ta-k'ang (1563/1129/1660)
WANG I-hsien (3769/2034/6343)
CH'EN Chien-sui (7115/1696/4840)

"Characteristics of the Distribution of Total Radiation in China"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, Feb 63, pp 78-95

Abstract: English abstract accompanies this article.

References: Of 29 references used, dated 1928 to 1962, 12 are in Russian, 7 in Chinese, 6 in English, and 4 in German.

This paper was received for publication on 13 July 1962; a corrected draft was received on 12 October 1962.

Authors' Affiliation: All of Institute of Geography, Chinese Academy of Science.

C-O-N-F-I-D-E-N-T-I-A-L

HSU Hua-ying (1776/5478/5391)
KU Chen-ch'ao (7357/7201/3390)

"On the Formation of the Precipitation Element in a Shallow Warm-Cloud"

Peiping, Chii-hsiang-Hsueh-pao (Acta Meteorologica Sinica), Vol 33,
No 1, pp 108-114

Abstract: English abstract accompanies article.

References: Of 5 references used, dated 1929 to 1962, 2 are in English,
one in Russian, one in Chinese

This article was received for publication on 8 June 1962.

Authors' Affiliation: Institute of Geophysics [and Meteorology], Chinese
Academy of Sciences.

CHU Hsien-mo (2612/7359/6206)

"Lithophytes and Soil Formation in Tai-pai-shan, Shensi"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica) Vol 11, No 1,
Mar 63, pp 1-7

Excerpts of Russian Abstract: The process of soil formation at the peak
of Tai-pai-shan may be divided into three basic stages: (1) colonization
of rock surfaces by microorganisms and the formation of "rock lac" com-
posed of slime and ferments exuded by algae and fungi. The author sug-
gests that these also included definite amounts of secondary minerals
and clayey minerals of biological origin; (2) colonization by lithophytes
and lichens and the formation of a fine weathered crust; (3) colonization
by mosses and the formation and development of a layer of fine-grained
soil. The aforementioned process leads to the formation of alpine meadow
soils.

The author expresses thanks to WANG Tso-pin (3769/0155/6333) and SHEN
I-yu (3088/0001/7183) for their guidance and assistance.

References: The latest reference mentioned by author was "Fauna and Flora
of Nepal Himalaya--Scientific Results of the Japanese Expeditions to
Nepal Himalaya," Vol 1, 1952-1953, pp 44-63.

Author's Affiliation: Northwest Institute of Soil and Biological Sciences,
Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CHU Ch'i (2612/3217)

CH'EN En-feng (7115/1869/7685)

"Properties of Steel Foundry and Blast Furnace Slags and Their Effect on Agricultural Crops in Various Soils"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar 63, pp 7-82

Excerpts of Russian Abstract: Data on slag composition analyses indicate that steel foundry and blast furnace slag is related to compound fertilizers with a large calcium and silicon content, as well as many other nutritive elements. Vegetation and soil tests show that slag, readily adaptable to various soils and crops, exerts an important influence on crop yields. It improves crop qualities: the fat content in soy and sunflower plants, albumen in wheat, sugar in beets, and starch in potatoes and rice; firmer rice stalks. Slag has a positive effect on the physical and chemical properties of soils: improved pH factor, increased nitrogen and phosphorus content.

The author expresses thanks to CHANG Yu-ying (1728/3768/5391), CH'ENG Fei-chien (4453/7378/0494), WANG Su-ch'un (3769/4790/2504), TANG Lien-ch'ao (7825/6647/6389), AN Lien-kuei (1344/6647/6311), CH'EN Wan-fa (7115/5502/4099), MENG Fan-jung (1322/4907/2837), WANG Ch'eng-tsu (3769/2110/4371), FU Ts'ung-hsu (1381/5115/3563), WU Wei-chung (0702/4850/0022), and YANG Tsu-fan (2799/2110/5400) for their analyses and observations; to Prof YAO kuei-keng (1202/2981/5087) for his opinions; to organic fertilizer teams and physics and chemistry analyzing teams of the Institute of Forestry and Pedology, Chinese Academy of Sciences; to communes, fields, and agricultural experimental organizations in Liaoning, Kirin, and Heilungkiang Provinces; and to workers of the Institute of Forestry and Pedology, Chinese Academy of Sciences, stationed in Various areas for their cooperation.

References: Of the 13 references used, 9 were in English, 2 in Japanese, one in Chinese, and one in Russian 1925-1959

Authors' Affiliation: All of Institute of Forestry and Pedology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

HSI Ch'eng-fan (1598/2110/5672)
T'ANG T'ung-yeh (0781/2717/5509)
HU T'ien-hsiang (5170/1131/4382)
FAN Pen-lan (5400/2609/5695)
HSU Chin-hsi (1776/1017/6932)

"Detailed Soil Study in a Production Brigade of People's Commune in the Semi-arid Plain (I) Methods for the Preparation of Various Detailed Maps" Peiping, T'iu-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar 63, pp 10-18

Abstract: English abstract accompanies this article.

References: Two Russian, 2 American, one Dutch, one German, and one Belgium references are listed.

Authors' Affiliation: All of Institute of Soil Sciences, Chinese Academy of Sciences.

CHENG Po-jung (4453/0130/1369)
WENG Ju-yung (3769/3067/2606-1661)
MA Ch'ing-lu (7456/1987/7498)
LO Hsuan-(5012/2467)

"Salt Accumulation in the Soils of Sung-nung Plain, Northeast China"

Peiping, T'iu-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar 63, pp 19-24

Abstract: English abstract accompanies this article.

References: One Russian and 2 Chinese references, latest date, 1959, are listed.

Authors' Affiliation: All of Institute of Forestry and Pedology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

LIU Kuang-sung (0491/0342/1516)
CHOU Wei-chin (0719/0251/6855)
WU Ta-kao (0702/6671/7559)
LI Ch'ing-k'uei (2621/1987/6652)

"Response of Crops to Superphosphate As Affected by the Rate of Supply of Soil Nitrogen and by the Application of Ammonium Sulphate"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar 63, pp 25-34

Abstract: English abstract accompanies this article.

References: With the exception of three Chinese references, the remaining six are American sources.

Authors' Affiliation: All of Institute of Pedology, Chinese Academy of Sciences.

CHANG Hsiao-nien (1728/2400/1628)

"Clay Minerals of Tropical Soils of Hainan Island"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica) Vol 11, No 1, Mar 63, pp 36-50

Abstract: English abstract accompanies this article.

The author expresses his appreciation to MENG Hsiung-i (5536/3574/3015) for his valuable suggestions and to HSIAO Hsiu-yang (5618/4423/5391) and YANG Te-yung (2799/1795/3279) for their survey work.

References: Of the 17 references used, none was later than 1961.

Author's Affiliation: Institute of Pedology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CHAO Ch'eng-ch'i (6392/6134/7871)

"The Nature of Soil Mechanics of Paddy Soils and Its Relations to Tillage"
Peiping, T'u-jiang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar
63, pp 53-61

Abstract: English abstract accompanies this article.

The author expresses thanks to CHI Hua-wen (0370/5478/2429) for participating in the work and to HSIUNG-i (3574/3015) for reviewing and correcting this work.

References: Of the 14 references used, 5 were in Chinese, 5 in Russian, and 4 in English, 1923-1961

Author's Affiliation: Institute of Soil Science, Chinese Academy of Sciences

CH'EN Shao-fang (7115/4801/5364)

"A New Species of Azotobacter Isolated From the Soil of Foochow District"
Peiping, T'u-jiang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar
63, pp 63-68

Abstract: English abstract accompanies this article.

The author expresses thanks to WU Chang-ch'in (0702/4545/3830) and CH'EN Chen-yu (7115/2182/3768) for participating in the work, to CH'EN Hsiu-ming (7115/4423/2494) for the use of his photographs, and to WU Huai-sun (0702/2037/5549) and CHANG K'ai-ch'ang (1728/7030/6500 + 0547) for determining the nitrogen fixation.

References: Of the 14 references used, 7 were in Russian, 4 in English, and 3 in Chinese, dated 1939-1960

This paper was read in June 1962 at the scientific and technical conference of the Chinese Society of Pedology.

Author's Affiliation: Department of Soils and Fertilizer, Fukien Agricultural College

C-O-N-F-I-D-E-N-T-I-A-L

CHENG Jo-ai (6774/5387/7224)

"Studies on the Characteristics of Sweat in the Sand Dunes of Desert Areas, Central Kansu"

Peiping, T'u-jiang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar 63, pp 84-90

Abstract: English abstract accompanies this article.

The author expresses thanks to WU Chung-chu (0702/0022/2691) Institute of Geography, Chinese Academy of Sciences, for participating in the work; to the Geology and Geography Department of Lanchow University; to KENG K'uan-hung (5105/1401/1347) for his interest; and to Prof CHING Lu-chiung (4842/0712/3518) for reviewing the work.

References: Of the 5 references used, 3 were in Chinese, and 2 in Russian, dated 1937-1961

Author's Affiliation: Institute of Geography, Chinese Academy of Sciences.

KUNG Tzu-t'ung (7895/1311/0681)

CH'EN Chih-ch'eng (7115/1807/6134)

"On the Characteristics and Formation of Calcified Paddy Soil in South China"

Peiping, T'u-jiang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar 63, pp 92-98

Abstract: English abstract accompanies this article.

Of the 6 references used, 5 were in Chinese, and the other in Russian, dated 1941-1961.

Authors' Affiliation: Both of Institute of Soils, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

YU T'ien-jen (0060/113/0088)

"Changes of Energy in the Chemical Reactions of Soil"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 1, Mar 63, pp 99-108

Abstract not given.

References: Of the 70 references used 55 were in English, 5 in German, 4 in French, 4 in Russian, and 2 in Japanese, dated 1942-1960.

Author's Affiliation: Institute of Soils, Chinese Academy of Sciences.

MA Hsing-yuan (7456/2622/0997)

YU Chen-tung (3266/2182/2639)

T'AN Ying-chia (6223/2019/0163)

TS'AI Hsueh-lin (5591/1331/2651)

"The Pattern of Precambrian Geotectonic Development of Eastern China"

Peiping, Ti-chih Hsueh-pao (Acta Geologica Sinica), Vol 43, No 1, Feb 63, pp 27-51

Excerpts of Russian Abstract: This paper included an introduction, a survey of pre-Cambrian geotectonic development in East China, some theoretical syntheses, and a conclusion. The first section demonstrates a complex method of ascertaining the interrelationship of pre-Cambrian rocks, based on historical-structural analyses, in conjunction with a study of geochronology and biostratigraphy. In the second and third parts, the authors outline the history of this development as related to individual periods: Archaean-Early Archaean, Late Archaean, Proterozoic, and Sinian. The abstract lists six theoretical problems pertinent to pre-Cambrian geotectonics, including the origin and growth of continents.

References: Of the 84 references used, 48 were in Chinese, 16 in English, 15 in Russian, 3 in Finnish, and 2 in German, dated 1930-1962.

C-O-N-F-I-D-E-N-T-I-A-L

LIU Hung-yun (0491/7703/0336)
LIU Yu (0491/6877)

"Succession, Classification, and Paleogeographic Evolution of the Sinian
Sediments of Central Eastern Yunnan"

Peiping, Ti-chih Hsueh-pao (Acta Geologica Sinica), Vol 43, No 1, Feb
63, pp 53-74

Abstract: English abstract accompanies this article.

References: Of the 24 references used, 20 were in Chinese, and 4 in
English, dated 1924-1960.

Technical Sciences

CH'EN Chen-ch'eng (7115/2182/6134)

"On the Theory of Hydrodynamic Pressure Exerted on Dams by Earthquakes, Its Effects, and the Resultant Fluid Surface Wave"

Peiping, Li-hsueh Hsueh-pao (Acta Mechanica Sinica), Vol 6, No 1, Mar 63, pp 9-17

Excerpts of Russian Abstract: This work attempts to trace the development of the theory of hydrodynamic pressures on dams during earthquakes and the solution of this problem with respect to the effect of gravity and vertical vibrations of the earth's surface upon the hydrodynamic load of the dam. The authors suggest that engineers verify the feasibility of applying the formula when calculating said pressure and that experimenters disregard the gravity effect when setting up the plane problem. The formula for calculating the increased size of the water surface near the dam during the earthquake is given. Errors in calculation in Reference 3 are pointed out.

(Continued)

The author expresses thanks to Kh. A. Rakhmatulin and L. N. Sretenskiy under whose direction problems were solved; to Cheng Chen-min (6774/0772/2404) for his valuable suggestions; to CHIEH Po-min (6043/0130/3046) for his help; to HUANG-Tun (7806/2415) and workers for their past discussions; to FAN T'ao-ch'ing (5400/2711/0615) for the illustrations; and to HUANG Li-hsien (7806/7787/0103) for his help on mathematical calculations.

This paper was received for publication on 6 July 1961.

Author's Affiliation: Institute of Mechanics, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

MEN Fu-lu (7024/4395/6922)

"Plane Problem of Semi-Infinite Elastic Solid Subjected to a Concentrated Force at the Midpoint of Bottom of a Groove"

Peiping, Li-hsueh Hsueh-pao (Acta Mechanica Sinica), Vol 6, No 1, Mar 63, pp 1-8

Abstract: English abstract accompanies this article.

This paper was received for publication on 1 July 1959.

Author's Affiliation: Institute of Civil Engineering, Chinese Academy of Sciences.

HO Ch'ang-kan (0149/1681/0051)
CH'EN Fu (7115/0126)

"A Simplified Method for Calculating Double Curvature Shallow Shells Under the Action of Concentrated Loads"

Peiping, Li-hsueh Hsueh-pao (Acta Mechanica Sinica), Vol 6, No 1, Mar 63, pp 19-37

Abstract: English abstract accompanies this article.

References: The authors express thanks to CHAO Fang-hsiung (6392/6078/3574), WANG Yuan (3769/0337), CHANG Ming-hua (1728/7686/5478), and CH'EN Jung-chao (7115/2837/2507) who gave them guidance in calculus computation and expressed thanks to HSU Chung-ta (1776/0112/6671), LI Te-hu (2621/1795/6671), YAO Kuei-lin (1202/6311/2651), and CHANG Hung-hsi (1728/7703/3556) for their aid in calculations and other pertinent work.

This paper was received for publication on 22 March 1962.

Authors' Affiliation: Both of Research Academy of Construction, Ministry of Building.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Pu-hsuan (3769/5943/1357)

"The Flow Friction for Isothermal Laminar Boundary-Layer Flow in the Entrance Region of a Circular Tube"

Peiping, Li-hsueh Hsueh-pao (Acta Mechanica Sinica), Vol 6, No 1, Mar 63, pp 38-51

Abstract: English abstract accompanies this article.

This paper was received for publication on 17 September 1962.

Author's Affiliation: Tsinghua University

HU Hai-ch'ang (5170/3189/2490)

"On Some Problems of the Antisymmetrical Small Deflection of Isotropic Sandwich Plates"

Peiping, Li-hsueh Hsueh-pao (Acta Mechanica Sinica), Vol 6, No 1, Mar 63, pp 53-59

Abstract: English abstract accompanies this article.

This paper was received for publication on 6 November 1962; first draft was read at the October 1962 scientific conference of the Chinese Mechanics Society's theories on plates and shells.

Author's Affiliation: Institute of Mechanics, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

LIU Shih-chu (0491/0013/1337)

"On the Generalized Variational Principle and Some Problems in the Theory of Elastic Shallow Shells"

Peiping, Li-hsueh Hsueh-pao (Acta Mechanica Sinica), Vol 6, No 1, Mar 63, pp 61-79

Abstract: English abstract accompanies this article.

This paper was received for publication on 17 November 1962; the first draft was read at the October 1962 scientific conference of the Chinese Mechanics Society's theories on plates and shells.

Author's Affiliation: Peking Aeronautical College.

LIU Kao-lien (0491/7559/5114)
HSUEH Ming-lun (5641/2494/0243)
WU Chung-hua (0702/0112/5478)

"Aerodynamic Analysis and Design of Turbomachines"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering), Vol 11, No 1, Mar 63, pp 1-27

Abstract: English abstract accompanies this article.

Authors' Affiliation: All of Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Nai-hsing (7115/0035/5281)

"An Approximate Design Method for Long-Blade Stage of Axial-Flow Turbomachines With Consideration to Its Meridional Form"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering, Vol 11, No 1, Mar 63, pp 29-38

Abstract: English abstract accompanies this article.

The author expresses thanks to CH'IANG Kuo-fang (1730/0948/5364) for his valuable opinions in the work done for this paper.

CH'EN Jih-yao (7115/2480/2565)

"The Relation Between Tool-Life and Tool-Angles When Taking Extra-Thin Chips"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering), Vol 11, No 1, Mar 63, pp 39-53

Abstract: English abstract accompanies this article.

Author's Affiliation: Central China Engineering College.

C-O-N-F-I-D-E-N-T-I-A-L

HAN Hung-hsing (7281/7703/5281)
HSIEH Hung-chi (6200/7703/3444)

"The Principle and Design of Regenerative Gas Refrigerating Machines"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering), Vol 11, No 1, Mar 63, pp 54-62

Abstract: English abstract accompanies this article.

Author's Affiliation: Sian Chiao-t'ung University.

KU Jui-lung (7357/3843/7893)

"The Hydraulic Servo System for Machine Tools With Numerical Control"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering), Vol 11, No 1, Mar 63, pp 63-75

Abstract: English abstract accompanies this article.

The author expresses thanks to CHU Ch'in-chin (2612/0530/6855), CH'EN Chen-chia (3088/2182/1367), and others for their research work.

Author's Affiliation: Institute of Metal-Cutting Machines (Chin-shu Ch'ieh-hsiao Chi-ch'uang Yen-chiu So [6855/1466/0434/0465/2894/1643/4282/4496/2076]).

C-O-N-F-I-D-E-N-T-I-A-L

WAN Ch'ang-sen (5502/7022/2773)

"Rigidity and Stability of Hydrostatic Thrust Bearing"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering), Vol 11, No 1, Mar 63, pp 76-81

Abstract: English abstract accompanies this article.

The author expresses thanks to CHANG Chao-ying (4545/5128/9487) of Institute of Bearing Research for his help on some problems and to WANG Hsueh-hao (3769/1331/3185) of Machine [Building] Research Academy for his opinions.

Author's Affiliation: Institute of Bearing Research.

WANG Ying-shih (3769/2019/2514)

"Calculation of the Spray Angle of the Spill-Controlled Swirl-Type Atomizer"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering), Vol 11, No 1, Mar 63, pp 83-89

Abstract: English abstract accompanies this article.

Author's Affiliation: Chinese Academy of Sciences

C-O-N-F-I-D-E-N-T-I-A-L

HSUEH Ming-lun (5641/2494/0243)
LIU Kao-lien (0491/7559/5114)

"A Note on Radial Equilibrium Calculation in Axial Turbomachine Design"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering), Vol 11, No 1, Mar 63, pp 103-104

Abstract: English abstract accompanies this article.

Authors' Affiliation: Both of Chinese Academy of Sciences.

HU I-Cheng (5170/0110/2973)
WANG Ch'ang-ta (3769/1681/6671)
CHENG I (6774/0001)

"Research in Sulpho-Nitriding of the High Speed Steel Tools"

Peiping, Chi-hsieh Kung-ch'eng Hsueh-pao (Chinese Journal of Mechanical Engineering), Vol 11, No 1, Mar 63, pp 90-102

Abstract: English abstract accompanies this article.

The authors express thanks to LIN Fu-ts'eng (2651/4395/2582), HUANG Ch'ang-min (7806/0235/3046), HSIAO Mao-ming (5135/5399/0682), and CHUNG Chia-hsiang (6988/1367/3276) for participating in part of the research work.

Authors' Affiliation: All of Institute of Material Protection and Heat Treatment.

C-O-N-F-I-D-E-N-T-I-A-L

SU Lien-pi (5685/5114/1084)

"On Determining Flood Hydrographs Based on Watershed Features"

Peiping, Shui-li Hsueh-pao (Journal of Hydraulic Engineering),
No 1, Feb 63, pp 1-13

Excerpts of Russian Abstract: This paper discusses the method of determining flood hydrographs based on the nature of the watershed. The author plots integral curves, which reflect the relationship of riverbed accumulation and discharge. The abstract includes formulas derived from this study, with specific mention of the Huai-ho hydrograph. Formula is also given relating the duration and volume of a flood. The article concludes with an example based on the aforementioned principle.

(Continued)

The author expresses thanks to LI Hsin-ming (2621/1800/6900), CHIN Tung-liang (6855/2767/2733), HSIAO Shao-hua (5135/4801/5478), YANG Yuan-tung (2799/6678/2639), and YANG Shu-chia (2799/2885/0163) for participating in the work.

References: Of the 9 references used, 8 were in Chinese and one in English, dated 1957-1962.

Author's Affiliation: Yangtze River Research Academy of Hydraulic Engineering and Hydroelectric Power.

C-O-N-F-I-D-E-N-T-I-A-L

YIN Hsueh-liang (1438/1331/5328)

"Formation of Riverbed Sedimentation During Erosion With Clear Water"

Peiping, Shui-li Hsueh-pao (Journal of Hydraulic Engineering), No 1,
Feb 63, pp 15-25

Excerpts of Russian Abstract: From data of observations conducted on the Yung-ting-ho and results of laboratory investigations, the author examines the characteristics of the erosion-proof "paved" layer of gravel-sandstone beds formed during erosion with clear water. The author derives formulas for determining the maximum depth of bed erosion and the relation between the coefficient of the bed roughness after completion of the deposit and the minimum diameter of the particles in the "paved" layer.

(Continued)

Of the 5 references used, 2 were in English, 2 in Russian, and one in Chinese 1950-1960

Author's Affiliation: Institute of Rivers and Canals, Research Academy of Hydraulic Engineering and Hydroelectric Power

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

MAO Ch'ang-hsi (3029/2512/3556)

"Computation of Seepage Through Earth Dams With Upstream Blanket and Sloping Core"

Peiping, Shui-li Hsueh-pao (Journal of Hydraulic Engineering)
No 1, Feb 63, pp 26-43

Abstract: English abstract accompanies this article.

The author acknowledges reliance on the experiments of LI Tsu-i (2621/4371/6318) for the 6th section.

References: Of the 7 references used, 5 were in Russian and 2 in Chinese, dated 1953-1960.

Author's Affiliation: Nanking Research Institute Hydraulic Engineering.

MEN Fu-lu (7024/4395/6922)

"Approximate Solutions of One-Dimensional Problems of Consolidation and Secondary Time Effects of Clays"

Peiping, Shui-li Hsueh-pao (Journal of Hydraulic Engineering)
No 1, Feb 63, pp 44-54

Abstract: English abstract accompanies this article.

References: Of the 13 references used, 3 were in German, 2 in Russian, 5 in English, and 3 in Chinese dated 1943-1962.

Author's Affiliation: Institute of Civil Engineering, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CHEN Chih-k'ai (7115/1807/1956)
CHIN Kuang-yen (6855/0342/3508)

"The Error of Moment Calculation in Frequency Analysis"

Peiping, Shui-li Hsueh-pao (Journal of Hydraulic Engineering) No 1,
Feb 63, pp 56-59

Abstract not given.

The authors acknowledge the help of HSIEH Shang-liang (6200/0281/
5328).

References: Of the 5 references used, 2 are in English and 3 in
Chinese, dated 1924-1958.

Authors' Affiliation: Both of Institute of Hydrology, Research
Academy of Hydraulic Engineering and Hydroelectric Power.

CHUANG Lo-ho (5445/2867/0735)

"Calculation of Ultimate Load of Foundation Under Footing
Simultaneously Subjected to Vertical and Horizontal Loads"

Peiping, Shui-li Hsueh-pao (Journal of Hydraulic Engineering),
No 1, Feb 63, pp 60-64

Abstract not given.

References: Two references, including one in Russian, dated 1956,
and one in Chinese dated 1959, are listed.

Author's Affiliation: Peking Geological College.

C-O-N-F-I-D-E-N-T-I-A-L

Chemistry, Mathematics, and Physics

TSUNG Ju-shih (1350/3067/1395)

CHI Ju-yuan (1518/3067/6678)

"The Synthesis of Some Ring-cleft Analogues of Chlortromaxine."

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 1,
Feb 63, pp 8-17

Abstract: English abstract accompanies this article.

References: The authors used 7 English and one Chinese reference
and one German patent, dated 1911-1960.

This paper was received for publication on 2 April 1962. It was
read at the Shanghai Chemistry and Chemical Engineering Society
Conference in October 1961.

Author's Affiliation: Both of Institute of Materia Medica, Chinese
Academy of Sciences, Shanghai.

PAI Tung-lu (4101/2639/7627)

CHI Ju-yuan (1518/3067/6678)

"Synthetic Studies on Hypotensive Agents. I. The Preparation of
10-Aminoacyl and 10-Aminoalkylphenothiazines"

Peiping, Hua-hsueh Hsueh-pao, (Acta Chimica Sinica), Vol 29, No 1,
Feb 63, pp 28-36

Abstract: English abstract accompanies this article.

References: The authors used 14 English, 2 Russian, and one German
reference, dated 1933-1961.

This paper was received for publication on 30 May 1962.

Authors' Affiliation: Both of Institute of Materia Medica,
Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

KUAN I-wen (1351/1355/2429)
BSU Kuan-hsien (1776/0342/2009)

"Theory of Equilibria of Complexes in Solution. II. The Complexity of Uranyl Thiocyanate by an Improved Method of Corresponding Solutions"

Peiping, Hua-hsueh Hsueh-pao, (Acta Chimica Sinica), Vol 29, No 1, Feb 63, pp 37-43

Abstract: English abstract accompanies this article.

References: The authors used 2 English, 2 Scandinavian, and one Chinese reference, dated 1944-1961.

This paper was received for publication on 1 June 1962.

Authors' Affiliation: Both of Peking University.

CHIANG Ming-chien (5592/2494/6197)
LI Chun (2621/6874)

"Chemistry of the Quinazoline Series. III. Molecular Rearrangement of 4-Hydroxyquinazoline Di-N-Oxide"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 1, Feb 63, pp 44-52

Abstract: English abstract accompanies this paper.

References: The authors used 10 English and 2 Chinese references, dated 1900-1959.

This paper was received for publication on 4 June 1962. Part Two of this paper appeared in Hua-hsueh Hsueh-pao No 23, 1957, page 391.

Authors' Affiliation: Both of the Department of Pharmacy, Peking Medical College; CHIANG is currently affiliated with the Institute of Chemistry, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

WU Ching-hsiang (0702/0079/7449)

"A Rapid Method for the Microdetermination of Methoxyl Group"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Clinica), Vol 29, No 1,
Feb 63, pp 54-57

Abstract: English abstract accompanies this article.

References: The authors used 5 German, 2 Chinese, and one
Croatian reference, dated 1855-1960.

This paper was received for publication on 31 January 1962.

Authors' Affiliation: Institute of Materia Medica, Chinese
Academy of Sciences.

HO Chung-lin (0149/6945/2651)

LIU Chi-t'ao (0491/4359/3447)

"A Modification of Yatsimirskii's Method of Evaluating the Success
of Stability Constants of Complex Compounds"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Clinica), Vol 29, No 1,
Feb 63, pp 58-60

Abstract: English abstract accompanies this paper.

References: The authors used two Russian, one German, and one
Scandinavian reference, dated 1941-1956.

This paper was received for publication on 18 April 1962. The
corrected version was received 27 August 1962.

Authors' Affiliation: Both of the Department of Chemistry,
Liao-ning University.

C-O-N-F-I-D-E-N-T-I-A-L

KUO Ch'i-chen (6753/1142/3791)
CH'EN Hsing-o (7115/7451/1230)

"Preparation of 2, 5-Dimercapto-1, 3, 4-Thiadiazole and its Derivatives"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 1,
Feb 63, pp 62-63

Abstract: English abstract accompanies this article.

References: The authors used 3 English and one German reference
and one US patent, dated 1916-1958.

This paper was received for publication on 9 May 1962.

Authors' Affiliation: Both of Department of Chemistry, Amoy
University.

FANG Hung-chu (2455/3163/6880)
CHOU T'ung-hui (0719/0681/1920)

"Determination of 5 Alpha-Dihydrocortisone Acetate"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 1,
Feb 63, pp 64-66

Abstract: English abstract accompanies this article.

References: The authors used six English references, dated 1951-
1957.

This paper was received for publication on 23 May 1962.

Authors' Affiliation: Both of Institute of Materia Medica, Chinese
Academy of Medical Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Chen-yu (3769/2182/1342)

"On an Interpolation Problem of Entire Functions"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13,
No 1, Feb 63, pp 1-16

Abstract: Not given.

References: Two Russian, dated 1951 and 1957; one Chinese by the
author of this article, dated 1957.

This paper was originally received for publication on 8 August
1957; a revised version was received on 4 June 1962.

Author's Affiliation: Institute of Mathematical Computation
Techniques, Chinese Academy of Sciences.

TAI Chih-chung (2071/1713/0022)

"On Discrete Valuations"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica, Vol 13,
No 1, Feb 63, pp 17-22

Abstract: Not given.

References: Two French, two English, one German, one Chinese, dated
1933-1958.

This paper was received for publication on 4 May 1959.

Authors' Affiliation: Kiangsi University.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Chin-ju (3769/6651/0320)

"A Gradient Method for Finding the Eigenvalues and the Eigenvectors of a Selfadjoint Operator"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13, No 1, Feb 63, pp 23-28

Abstract: Not given.

References: Five Russian, one English, and one Chinese, dated 1948-1959.

This paper was originally received for publication on 5 July 1960; a revised version was received on 17 September 1962.

Author's Affiliation: South China Engineering College.

HSIEH T'ing-fan (6200/1656/5672)

"On the Convergence in Banach Spaces"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13, No 1, Feb 63, pp 29-31

Abstract: Not given.

References: Four Russian, dated 1936-1959.

This paper was received for publication on 9 November 1961.

Author's Affiliation: Department of Mathematics, Hangchow University.

C-O-N-F-I-D-E-N-T-I-A-L

KU Ch'ao-hao (6253/6389/6275)

"A Boundary Problem of Hyperbolic Systems and Its Applications"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13,
No 1, Feb 63, pp 32-48

Abstract: Not given.

References: Three English and two Russian, dated 1948-1959; one
Chinese, dated 1962.

This paper was originally received for publication on 7 November
1961; a revised version was received on 6 August 1962.

Author's Affiliation: Fudan University.

LU Ch'i-k'eng (7120/0769/6972)

"The Elliptic Geometry of Extended Spaces"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13,
No 1, Feb 63, pp 49-62

Abstract: Not given.

References: Five English by Chinese authors, one German, one French,
and two Chinese, dated 1926-1961.

This paper was received for publication on 8 November 1961.

Author's Affiliation: Institute of Mathematics, Chinese Academy
of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

KAO Heng-shan (7559/1854/3790)

"Algebraic Treatment of the Notion of Satisfiability in Systems"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13,
No 1, Feb 63, pp 68-77

Abstract: Not given.

References: Five English, dated 1953-1959; and one Chinese by the
author of this article, dated 1963.

Author's Affiliation: China University of Science and Technology.

WU Chen-te (0702/2182/1795)

"The Non-reducibility of the Operation" *Appl. Math. ...*

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13,
No 1, Feb 63, pp 78-85

Abstract: Not given.

References: Six English, one Russian, and one French, dated
1942-1957.

This paper was originally received for publication on 3 January
1962; a revised draft was received on 17 September 1962.

Author's Affiliation: Hopeh Normal University.

C-O-N-F-I-D-E-N-T-I-A-L

WU Li-te (0702/4539/1795)

"On Distribution of Integral Functionals of Homogenous Denumerable Markov Process"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13, No 1, Feb 63, pp 86-93

Abstract: Not given.

References: Four English, one Russian, and one Chinese, dated 1953-1961.

This paper was originally received for publication on 5 January 1962; a revised draft was received on 7 May 1962.

Author's Affiliation: Fudan University.

TUNG Kuang-ch'ang (5516/0342/2490)

"Boundary Value Problems for the Degenerate Elliptic Partial Differential Equations"

Peiping, Shu-hsueh Hsueh-pao, (Acta Mathematica Sinica), Vol 13, No 1, Feb 63, pp 94-115

Abstract: Not given.

References: Five Russian, dated 1951-1959.

This paper was originally received for publication on 21 February 1962; a revised draft was received on 11 June 1962.

Author's Affiliation: Chekiang University.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Chunghu (7115/0112/3337)

"On the Regular Theorem of Real Semi-simple Lie Algebra"

Peiping, Shu-hsueh Hsueh-pao (Acta Mathematica Sinica), Vol 13,
No 1, Feb 63, pp 116-118

Abstract: Not given.

References: Three Chinese, two Russian, two English, and one
French, dated 1943-1959.

This paper was received for publication on 23 March 1962.

Author's Affiliation: Nankai University.

CH'ENG P'ing (2052/1627)

"Bayes Sequential Procedures With K-decision Action for Exponential
Polya IV Class"

Peiping, Shu-hsueh Hsueh-pao (Acta Mathematica Sinica), Vol 13, No 1,
Feb 63, pp 119-135

Abstract: Not given.

References: Five English and one Russian, dated 1950-1961.

This paper was received for publication on 6 April 1962.

Author's Affiliation: Institute of Mathematics, Chinese Academy
of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

SU Pu-ch'ing (5685/2975/7230)

"Contributions to the Theory of Conjugate Nets in Projective
Hyperspace"

Peiping, Shu-hsueh Hsueh-pao (Acta Mathematica Sinica), Vol 13,
No 1, Feb 63, pp 136-143

Abstract: Not given.

References: Five French and three Chinese by the author of this
article, dated 1934-1961.

This paper was received for publication on 11 April 1962.

Author's Affiliation: Fudan University and Institute of Mathematics,
Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

YEH Ming-han (5509/6900/3352)
SUN Liang-fang (1327/5328/2455)
HSU Chien-ming (1776/1696/6900)
CHIN Chien-chung (6855/1696/0022)
YEH Lung-fei (5509/7893/7378)
CH'EN Chih-ch'eng (7115/1807/6134)
CH'EN Ch'ien-p'u (7115/7002/3877)
HSIA Kuang-ch'ang (1115/1684/2490)
YU Chueh-hsien (0151/6030/0341)
LI Cheng-wu (2621/2973/2976)
CHAO Chung-yao (6392/1813/1031)

"A Proton Electrostatic Accelerator"

Peiping, Wu-li Hsueh-pao, (Acta Physica Sinica), Vol 19, No 1,
Jan 63, pp 60-68

Text of English Abstract: A proton electrostatic accelerator of the high pressure type is described. The protons accelerated by this accelerator have a maximum energy of 2.3 Mev, while 2.5 Mev, momentary. It has been in operation for more than 4 years.

(Continued)

The authors extend thanks to MEI Chen-yueh (2734/6966/1471), who directed the work for a period of time; to CHANG Chung-mu (1728/0112/2606), CHOU Wen-tsung (0719/2429/1350), KU Jun-kuan (7357/3387/6034), WANG Chu-hsiang (3769/4376/5046), and CHUNG Ming (6945/3298), who participated in the research at various times; to MA Hsing-hua (7456/5281/5478), who participated in the installation of the accelerator and the sealing of the accelerator tube; and to HSIN Hsien-chieh (1823/6343/2638) and LU Yu-ch'ing (0712/0151/1987), who devised a stable high-voltage power supply for the electrostatic analyzer.

References: Of the 9 references, dated 1947-1962, listed at the end of the article, 5 are in English, 2 in Chinese, one in German, and one in Russian.

This paper was received for publication on 17 September 1962.

Authors' Affiliation: All of Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

LI Kuo-tung (2621/0948/2767)
CHAI Ch'ing-yung (5049/3237/3057)
KUO Te-ch'uan (6753/1795/0356)
LI Ching-yuan (2621/7231/0337)

"Study of the Magnetic Properties and Ferromagnetic Resonance of the
Yttrium-Lanthanum Iron Garnet System"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 1, Jan 63,
pp 1-10

Abstract: English abstract accompanies this article.

The authors extend thanks to P'AN Hsiao-shih (3382/1321/4311) and Prof
LI Yin-yuan (2621/5593/6678) for their concern with the study; to
T'IEH Chung-shan (3944/0112/1472), CHANG Wen-chin (1728/2429/6210),
and YANG Chung-hsing (2799/0022/5281) for their work in the construction
of models; to LIANG Ping-wen (2799/3521/2429) and SHIH Hsiu-chen (4258/
4423/6297) for participating in a part of the measurement work; and
to NING T'ai-shan (1380/1132/1472), LANG Chu-san (6745/4376/0005),
and HSU Tien-hai (1776/3013/3189) for their work in X-ray photography
and the merurement of saturated magnetic moments.

(Continued)

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 1,
Jan 63, pp 1-10

References: The 30 references, dated 1948 to 1961, include 18
in English, 6 in Russian, 4 in French, and 2 in Chinese.

This paper was received for publication on 21 June 1962.

Authors' Affiliation: All of Institute of Physics, Chinese Academy
of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

T'AO Shih-yao (7118/0013/1031)
WANG Wen-shu (3769/2429/2579)
SUN Hsiang (1327/3276)

"A Two-Meter Normal Incidence Vacuum Ultra-Violet Spectrograph"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 1,
Jan 63, pp 11-24

Abstract: English abstract accompanies this article.

The author extends thanks to HSIEH Te-ch'un (6200/1795/4783) for his work in the design and construction of the instrument.

References: Of the 14 references, dated 1930-1961, 13 are in English and one in German.

This paper was received for publication on 16 July 1962.

Authors' Affiliation: All of Institute of Physics, Chinese Academy of Sciences.

KAN Tzu-chao (3927/1311/6856)

"Theory of Tunneling Processes in Germanium Tunnel Diodes (I) Impurity-Induced Current, (II) Phonon-Assisted Current"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 1,
Jan 53, pp 25-59

Abstract: English abstract accompanies this article.

The author thanks Prof HUANG K'un (7806/2492), under whose direction the work was completed, and HAN Ju-ch'i (7281/3067/3823), CHANG Ch'i-hsiang (1728/4860/7449), and CH'IAN Yuan-ch'i (1730/0337/2790), who took part in discussions on this work.

References: Of the 21 references, dated 1916-1962, 19 are in English and 2 in Russian.

This paper was received for publication on 23 August 1962.

Author's Affiliation: Department of Physics, Peking University.

C-O-N-F-I-D-E-N-T-I-A-L

LI Te-p'ing (2621/1795/1627)

"A Simple Method for Automatically Demonstrating the Threshold .
Stability of Triggered Circuits"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 1, pp 70-
71

Abstract: Not given.

This paper was received for publication on 31 August 1962.

C-O-N-F-I-D-E-N-T-I-A-L

ORGANIZATIONS AND CONFERENCES

1. Institute of Plant Physiology

From 3 to 5 April, 1963, the Institute of Plant Physiology, Chinese Academy of Sciences, celebrated its tenth anniversary. More than ten famous plant physiologists from China were invited to attend. LO Tsung-lo (5012/1350/3157), Director of the Institute, gave a report on the progress during the past 10 years.

From the afternoon of the 3d through the morning of the 4th, papers were read. A total of 55 papers were received. Most of the papers were from work done in 1962, including some which have not yet been published. Because of the time element, only 24 papers were read. Several of the papers were directed toward agricultural and industrial production. (Peiping, Sheng-wu-hsueh T'ung-pao [Biology Bulletin], No 3, May 63, p 53)

2. Plant Physiology Conference

On 4 and 5 April 1963, the Preparatory Committee of the Shanghai Plant Physiology Society and the Institute of Plant Physiology, Chinese Academy of Sciences, held a joint scientific conference. The conference listened to a total of five reports as follows: Prof YIN Hung-chang (3009/1347/4545), Physiological Research in the High Yield of Rice and Wheat; Prof TS'UI Cheng (1508/3413), Principle Propagation Techniques for High Yields of Paddy Rice in the North and Their Theoretical Proofs; Prof T'ANG Yu-wei (3282/3768/3837), Report of Research Work on the Physiological Shedding of the Cotton Bud in the Last Ten Years; Prof LOU Ch'eng-hou (1236/2052/1775), The Problem of Oxygen Supply in Plants; and CH'EN Yun-kang (3088/0336/6921), Photo-synthetic Phosphorylation. (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 6, 15 Jun 63, p 56)

3. Conference on Plant Viruses

The China Plant Protection Society held the first nationwide scientific conference on the damaging effects of plant viruses. The conference was held in April in Hangchow. Many problems were discussed at the conference, including the damaging effects of virus on brassica crops and viral degeneration of potatoes. (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 6, 15 Jun 63, p 55)

4. Textile Engineering Conference

The Textile Engineering Societies of Kwangtung, Kwangsi, Hunan, Hupeh, and Honan provinces held their first annual joint conference in Canton from 26 May to 6 June 1963. There were 179 participants. Leaders and members of the South-Central Scientific and Economic Committees, Kwangtung provincial Scientific Committee, and Canton Scientific Committee named deputy secretary-general KUEI Shih-chih (2710/1395/0037) as representative to take part in various preparations for the general conference. Seven specialized fields were discussed: unspun cotton, spun cotton, cotton weaving, knitting, Ramie, dyeing, and chemical fibre. Of the 137 papers submitted, 64 were discussed in particular, and 18 significant topics were singled out. (Peiping, Fang-chih Chi-shu, [Textile Technology], No 6, 27 Jun 63 p 43)

5. Heilungkiang Provincial Textile Engineering Conference

The Heilungkiang Provincial Textile Engineering Society held its 1963 annual scientific meeting in Harbin from 27 to 31 May. There were 59 participants who divided into 3 groups and discussed 26 theses on material summarized from 23 theses and technical achievements. During the meeting, the participants discussed technical policies relating to the development of the textile industry.

Also, KO Sheng (2047/3932) and 16 others were named members of the board of directors for the second session directors' meeting, of which HSIUH Chao-chi (6200/5128/1015) was elected chairman, HUA Shu-chia (5478/2885/0857) vice-chairman, and HO Shou-yeh (0149/1343/2814) secretary-general. (Peiping. Fang-chih Chi-shu /Textile Technology/, No 6, 27 Jun 63, p 29)

6. Railway Research, Academy

Personnel of some laboratories and institutes under the Research Academy of Railway Sciences, Ministry of Railways, include the following: Director LU Chao-chun (1687/5128/6874), Soil Mechanics Laboratory; Director YANG Ming-ch'u (12202/2494/0443), Concrete Laboratory; Director LIANG Ping-chih (2733/4426/2520), Diesel Laboratory of the Institute of Locomotives and Rolling Stocks; Director SUNG Ch'en-kang (1345/2182/4854), Break Laboratory; Director CHIN Yun-yen (6855/0336/2429), Institute of Metal Chemistry; high-level research personnel HSU Ch'eng-Kuang (1776/2110/3499-1684) and CHANG I-ming (1728/0044/6900), Institute of Railway Construction; and Deputy Director JEN Ch'eng-ch'ing (0117/4453/1987), Bridge Laboratory. (Peiping, Kuang-ming Jih-pao, 12 Sep 63, p 1)

7. Chinese Society of Pedology Conference

The 3d congress and the 1963 annual scientific conference of the Chinese Society of Pedology was held recently in Mukden. At this session, research results were reviewed and work experience exchanged. Of 277 papers received, one third pertained to aspects of soil-agro chemistry. The conference was attended by more than 120 soil specialists, professors, and young scientific and technical workers. (Peiping, Kuang-ming Jih-pao, 24 Sep 63, p 2)

8. Institute of Entomology

Director P'U Che-lung (5543/5832/7893) of the Institute of Entomology, Chinese Academy of Sciences, has recently discovered that the red-eyed wasp (ch'ih-yen fend: 6375/4190/5762) can be used effectively in controlling the sugar cane borer. Having studied in the US, he returned to China, after it was established in 1949, with his wife, LI Ts'ui-ying (2443/5050/5391). (Canton, Chung-kuo Hsin-wen, 12 Aug 63, p 7)

9. Institute of Vertebrate Paleontology Conference

At a scientific report conference on 1-2 April 1963, the Institute of Vertebrate Paleontology of the Chinese Academy of Sciences celebrated its tenth anniversary as an independent research organization.

Over 60 persons were present. In addition to institute personnel, there were participants from related fields, including paleontologists LU Yen-hao (4151/5888/6275), CHAO Chink-k'o (6392/6855/4430), CHANG Hsi-t'i (1728/1598/4398), YUAN Fu-li (5913/1788/4409), and YANG Ching-chih (2799/2417/0037).

Presiding over the conference was director of the institute YANG Chung-chien (2799/6945/0256), who reported on the progress and scientific research achievements of the institute over the past decade. He also congratulated the Institutes of Geology and Paleontology of the Chinese Academy of Sciences and the Peking Museum of Natural History.

(continuation)

Eleven papers were read by: LIU Hsien-t'ing (0491/2009/0080), CHANG Mi-man (1728/1736/2581), YANG Chung-chien (2799/6945/0256), YEH Hsiang-k'uei (5509/4382/1145), HU Shou-yung (5170/1108/3057), CHOU Ming-chen (0719/2494/6966), LI Ch'uan-k'uei (2621/0278/5688), LI Yu-ch'ing (2621/3768/3237), P'EI Wen-chung (5952/2429/0022), CHANG Yu-p'ing (1728/3768/5493), T'UNG Yung-sheng (4547/3057/3932), HUANG Wan-p'o (7806/5502/3134), CHI Hung-hsiang (6060/1347/4382), and CHENG Chia-chien (6774/1367/1017). (Peiping, Ku-chi-ch'iu Tung-wu Yu Ku Jen-lei /Vertebrata Palasiatica/, Vol 7, No 2, Jun 63, p 190)

C-O-N-F-I-D-E-N-T-I-A-L

NEW PUBLICATIONS AND BOOK REVIEWS

1. New Electronics Journal

Volume 1, Issue No 1, of Tien-tzu Hsueh-pao (Acta Electronica Sinica), dated 20 September 1963, is a quarterly journal compiled by the Chinese Electronics Society. Copies are available at post offices throughout the country. Titles of nine articles published in Issue No 1 are given. (Peiping, Jen-min Jih-pao, 21 Sep 63, p 6)

2. Macromolecular Journal To Be Published

Kao-fen-tzu T'ung-hsun (Macromolecular Reports) will resume publication as a bimonthly journal in July 1963. It will contain research papers, research notes, and review articles on a relatively high level. (Peiping, Hua-hsueh T'ung-pao [Chemistry Bulletin], No 6, Jun 63, p 65)

C-O-N-F-I-D-E-N-T-I-A-L

3. Nanking University Journal

Nan-ching Ta-hsueh Hsueh-pao: Sheng-wu-hsueh Pan (Nanking University Journal: Biology), No 1, 1963, is published by the Scientific Research Office of Nanking University. The first issue contains three articles. (Peiping, Jen-min Jih-pao, 24 Sep 63, p 5)

4. Popular Astronomy Magazine

T'ien-wen Hao-ai-che (Astronomy Enthusiasts), a monthly magazine, is published by the Science Popularization Publishing Society in Peiping. It is currently soliciting subscribers for the fourth quarter of 1963. (Peiping, Jen-min Jih-pao, 3 Aug 63, p 6)

5. New Popular Science Journal

Hsueh K'o-hsueh (Study Science), a bimonthly, published by the Science Popularization Publishing House is to be published /resumed/ beginning 7 October 1963. Its objective is to reach the attention of the broad masses of rural cadres, peasants, and young intellectuals. (Peiping, Jen-min Jih-pao, 10 Sep 63, p 5)

6. New Book on Topology

Tien-hsing Liu-hsing yu Tien-hsing Yu (Canonical Manifolds and Canonical Domains), by LU Ch'i-k'eng (7120/0796/6972), is a systematic presentation of the achievements of Chinese mathematicians in the theory of geometric functions since 1957. Six chapters deal with the following subjects: introducing points of infinity into a space of several complex variables; methods of defining canonical manifolds and domains; analytic equivalence of spaces of several complex variables under certain conditions; introducing ellipses into augmented spaces and hyperbolas into symmetrical canonical domains; topology and applications of the boundaries of symmetrical canonical domains; use of Euler curvature tensor to introduce analytic invariants; application of topological properties of domain boundaries in solving boundary value problems of potential function theory; etc.

The publisher is Shanghai Scientific and Technical Publishers.
--Reviewed by HU Chun-jung (5170/0971/2837) (Peiping, K'o-hsueh T'ung-pao, No 8, Aug 63, p 72)

7. New Book on a New Branch of Geography

Je Shui P'ing-heng chi Ch'i tsai Di-li Huan-ching-chung ti Tso-yung Wen-ti (Heat and Moisture Balances and Their Effects on Geographical Environment), by the Institute of Geography, Chinese Academy of Sciences, is published in four volumes by Science Press, Peiping. The treatise is designed to help China initiate teaching and research on distribution and conversion processes of terrestrial heat and moisture and on matter-energy exchange in a geographical environment.

Volume I reviews content of subject, definitions, methods of research, and recent achievements, particularly those of practical value. Volume 2, on evaporation and steaming, presents methods and instruments used in determining evaporation off the face of the earth. Volume 3 concerns problems related to soil, land surface and atmospheric temperatures, heat balance, and radiation balance. Volume 4, on soil moisture and farm irrigation, describes the dependence of crop productivity on soil moisture and presents new methods of determining the moisture and minimal moisture-holding capacity of soil. -- Reviewed by SUN Ch'i-hsien (1327/2790/0341) (Peiping, K'o-hsueh T'ung-pao, No 8, Aug 63, p 73)

8. Book on Tobacco Culture

Chung-kuo Yin-ts'ao Tsai-p'ei (Tobacco Culture in China), edited by the Institute of Tobacco, China Academy of Agricultural Sciences, is published by the Shanghai Scientific and Technical Publishers.

The book primarily treats of the growth and development of the tobacco and the effects of environment on its physiology. The information is based on Chinese experience in tobacco culture, as well as the recent research achievements of Chinese agricultural research facilities. Its 17 chapters begin with an account of the history and present state of tobacco production in China and cultural practices. A full chapter is devoted to the distribution of tobacco fields throughout the country. The protection and management of tobacco crops and other details are included. -- Reviewed by HU Chun-jung (5170/0971/2837) (Peiping, K'o-hsueh T'ung-pao, No 8, Aug 63, p 72)

C-O-N-F-I-D-E-N-T-I-A-L

MANPOWER AND EDUCATION

1. Sian College of Metallurgy Changes Name

As of 1 September 1963, the name of Sian College of Metallurgy has been changed to Sian College of Metallurgy and Construction (Hsi-an Yen-chin Chien-chu Hsueh-yuan /6007/1344/0396/6855/1696/4591/1331/7108/). (Peiping, Jen-min Jih-pao, 18 Sep 63, p 6)

2. Shanghai University of Science and Technology

The first graduating class from Shanghai University of Science and Technology is starting to defend their graduate theses and designs.

The University of Science and Technology, a comprehensive university of science and engineering, accepted its first students in 1958. It was formally established on 19 May 1959. At present, there are over 400 graduating students who have completed the 5-year curriculum at the university. (Shanghai, Hsin-min Wan-pao, 26 Jun 63, p 1)

3. Tsinghua University

Tsinghua University, China's largest technical university, has already produced more than 13,700 industrial technicians in the 14 years since the liberation. This figure is more than three times the number of graduates of this university in the 38 years before the liberation. At that time, Tsinghua University merely had six departments, including mechanical engineering and civil engineering. Now, this university has 12 departments and has produced technicians in specialized fields such as automatic control, radio electronics, engineering chemistry, engineering mechanics and mathematics, precision instruments, and optical instruments.

This summer's more than 2,000 graduates have already completed $5\frac{1}{2}$ to 6 years of study. After the liberation, Tsinghua University carried out a series of academic reforms. From 1958 on, it began to strengthen scientific experiments.

After the liberation, Tsinghua University increased the building surface area to 2.4 times that of the year 1949. School laboratories now number 81 as compared with 17 at that time. Much of the apparatus used in these new laboratories is made in China.

(continuation)

Tsinghua University now has 12,000 students--five times the number of students in 1949. More than 200 professors and assistant professors, including LIU Hsien-chou (0491/0103/3166), an expert in mechanical engineering; LIANG Szu-ch'eng (2733/1835/2052), a specialist in architecture; and CHIANG Kuang-tou (1728/0342/7591), a specialist in water conservancy; teach at this university. (Canton, Chung-kuo Hsin-wen, 28 Aug 63, p 7)

4. Wuhan University

Wuhan University, a comprehensive scientific university, is celebrating its 50th anniversary. Now, Wuhan University boasts 10 departments -- 6 in the liberal arts, which are Philosophy, Economics, History, Chinese Language and Literature, Foreign Languages and Literature, and Library Studies, and 4 in the sciences, which are Mathematics, Physics, Chemistry, and Biology. There are 15 special courses, all of which, except for Library Studies which is a 4-year course, offer a 5-year program.

There are now over 4,600 students. There are more than 1,000 in this year's graduating class. In the Biology Department, graduates exceeding 100. The number of instructors has also increased. Now there are over 100 instructors. The 90,000 square feet of building space in preliberation days has now expanded to 180,000 square feet. At present, there are 800,000 library volumes, more than 200,000 of which were added after 1958. In the last year, 68 assistant teachers were promoted to lecturers. (Canton, Chung-kuo Hsin-wen, 19 Aug 63, pp 10-11)

5. Wuhan University

This year Wuhan University, which has been established for 50 years, has 1,000 graduating students. Since the liberation to the present day, Wuhan University has already graduated 8,200 students. This figure is three times the number of graduates of this university in the over 30 years before the liberation.

The majority of this year's graduates are greatly skilled. Nine students have already been appointed research students by scientific research organs.

At present, there are more than 4,600 students in Wuhan University -- over 70 percent of whom are the children of workers and peasants. In the 10-odd years since the liberation, the instructors at the university have increased from 100 to the present figure of 700. The school library now contains 800,000 volumes -- 4 times the number of books in the past. (Canton, Chung-kuo Hsin-wen, 5 Sep 63, p 7)

6. Chinan University

Chinan University is scheduled to open 2 September 1963. This year, the University has enrolled 546 new students from various areas in Kwangtung Province, and Peiping, Fukien, Kwangsi, Yunnan, and Hopeh provinces. Eighty percent of this number are returned overseas Chinese students, and many are students from Hong Kong, or Macao or from families overseas. A group of instructors are continually transferring to this school from Peking University, Peking Engineering College, Nank'ai University, Nanking University, South China Engineering College, and Kwangtung Teachers College. Many are professors, assistant professors, and lecturers with a wealth of teaching experience. There are also some young assistant teachers.

All departments have established a new curriculum for the new school year. The Biology Department has established two new courses, "Biological Technology" and "The Propagation of Fish." Assistant professor and vice-chairman of the said department, LIAO Hsiang-hua (1675/5046/54/8), who has done successful research on the artificial propagation of the Grass Snipe, will lecture. (Canton, Chung-kuo Hsin-wen, 1 Sep 63, p 7)

7. Nank'ai University

Nank'ai University postponed the opening of school and requests that old and new students read Jen-min Jih-pao and Ho-pei Jih-pao for further announcements. (Peiping, Jen-min Jih-pao, 18 Aug 63, p 6)

8. Southwest Agricultural College

After hearing flourishing accounts from the alumni on their work in rural areas, the graduates of Southwest Agricultural College were encouraged and asked to be sent to the rural areas, basic levels, and areas where they are most needed.

Since the liberation, Southwest Agricultural College has produced more than 3,200 agricultural and scientific technicians who have gone to all parts of the country. Many have been cited as model workers and "5-good" cadres. Many have joined the CCP or were selected as peoples' representatives. (Peiping, Chin-jih Hsin-wen, 9 Aug 63, p 4)

9. Engineers and Technicians in China

Including this summer's graduates from higher level schools, China has produced 370,000 engineers and technicians since the liberation. This figure is 12 times the entire number of engineers and technicians produced during the Kuomintang period.

In 1958, China established a group of engineering colleges, including Peking Chemical Engineering College, Peking Mechanical Engineering College, Peking Light Industry School, Inner Mongolia Engineering College, etc. These schools all graduated their first classes this year. (Canton, Chung-kuo Hsin-wen, 29 Aug 63, p 5)

10. Instructors of Higher Level Schools in China

There are now 140,000 instructors of higher level schools in China. This figure shows an increase of eight times the highest number of higher level instructors in 1947. In recent years, over 2,000 people have been promoted to professors or assistant professors in various higher level schools. Many young teachers have also become lecturers.

Higher level instructors have made outstanding contributions toward the training of scientific research and specialized personnel. In the 14 years since the liberation, China has produced more than 1 million higher level graduates. This is six times the number of higher level graduates before the liberation.

Since the liberation, China's higher level instructors have compiled over 3,000 textbooks, many of which were based on their achievements in scientific research. (Canton, Chung-kuo Hsin-wen, 1 Sep 63, p 5)

11. Higher Level Schools in Sinkiang

Before the liberation, higher level education was severely lacking in the vast regions and provinces such as Heilungkiang, Inner Mongolia, Tsinghai, and Ninghsia. At the same time, in the Sinkiang Uigur Autonomous Region, there was only Sinkiang College, which was comparable to a secondary vocational school. There were only 140 students in the entire college.

After the liberation, higher level schools were established in these areas. For example, six higher level engineering, agricultural, and medical schools, including Sinkiang University, Sinkiang College of Mineralogy, Sinkiang Pa-i Agricultural College, and Sinkiang Medical College, were established in Sinkiang Uigur Autonomous Region. (Peiping, Chung-kuo Ch'ing-nien pao, 21 Sep 63, p 4)

12. Higher Level Schools in Fukien Province

This year in Fukien Province, there are 4,637 graduates of higher level schools. This is the highest annual number of such graduates in the history of Fukien Province, equaling the total number of graduates in the 5 years from 1950 to 1954 and double the number of school and university students in the province in 1946.

Approximately 60 percent of this group of university students who graduated in 82 special courses are the children of workers and peasants. Many are first generation university students.

The 74 returned overseas graduates from Fukien Agricultural College went to rural areas before graduating.

Now, in addition to over 3,000 of this group of university graduates working in the province, more than 1,300 will go to plants, mines, scientific research organs, and cultural and educational departments outside of the province. (Canton, Chung-kuo Hsin-wen, 26 Aug 63, p 7)

13. Higher Schools in Kwangtung Province

This year there are more than 9,200 graduates of higher level schools in Kwangtung Province who are now accepting positions in production and scientific research and teaching in various areas of the country. There are more higher level graduates this year than in any year since the liberation. There are over 3,200 graduates in science and technology, over 1,500 in agriculture and forestry, over 3,100 in teaching, and over 1,400 in literature, history, and medicine. More than 60 percent have worker-peasant backgrounds.

More than 300 of the graduates are returned overseas students and students of minority nationalities such as Hui, Li Ching, Chuang, and Manchu.

Work arrangements for these graduates are made according to their abilities. Technical graduates will go to various scientific research organs, planning organs, and plants and mines under the central and provincial governments. Agricultural graduates will go to various basic level agricultural and technical departments and state-operated agricultural, forestry, and grazing areas within the provinces, and half the number of teaching graduates will go to rural areas to teach in middle schools. (Canton, Chung-kuo Hsin-wen, 1 Sep 63, p 7)

14. Minority Graduates in Yunnan Province

Higher level schools in Yunnan Province recently graduated more than 350 students from minority groups. These graduates are from 14 minority nationalities such as Yi, Pai, Thai, Na-hsi, Lisu, and Ha-ni -- from over half of the more than 20 minority nationalities located in Yunnan Province. This year there are more minority graduates of higher level schools in Yunnan Province than in any previous year since the liberation.

There are six higher level schools in Yunnan Province. At present, these six higher level schools, including Yunnan University, K'unming Engineering College, and K'unming Medical College, have in their enrollment more than 1,400 students from 16 minority student body has more than doubled since 1956. (Peiping, Chin-jih Hsin-wen, 12 Aug 63, p 10)

C-O-N-F-I-D-E-N-T-I-A-L

FOREIGN TRAVELS AND CONTACTS

1. Chinese Architects to Cuba

A 29-member delegation of Chinese architects left Peiping by air on 13 September to attend the seventh session of the International Union of Architects, to be held in Havana, Cuba. It is led by YANG T'ing-pao (2799/1694/1405), vice-president of the Chinese Architectural Society and vice-president of the International Union of Architects. Deputy heads of the delegation are LIU Chien-chang (0491/1696/4545), vice-minister of railways, and LIANG Szu-ch'eng (2733/1835/2052), vice-president of the Chinese Architectural Society. (Peiping, Jen-min Jih-pao, 14 Sep 63. p 4)

2. Cuban Delegation to China

A Cuban delegation, led by Quito Munoz, director of the Bureau of Automation and Electronics of the Ministry of Industry, arrived in Peiping by air on 17 September to study electronics and automation techniques. On hand to greet them were Liu Yin (0491/1377), Vice-Minister of the fourth Ministry of Machine Building, and Yang Lin (2799/3829), deputy director of the Bureau for Economic Relations With Foreign Countries, among others. The First Secretary of the Cuban Embassy was also present. (Peiping, Ta-kung-pao, 19 Sep 63, p 4)

C-O-N-F-I-D-E-N-T-I-A-L

3. North Korean Delegation to China

CHONG Pong-ku, charge d'affaires ad interim of the Korean Embassy in Peiping, gave a banquet on 26 September 1963 in honor of the delegation of the Korean Academy of Sciences led by KANG Yong-chang. NIEH Jung-chen, Vice Premier of the State Council, was present.

CHONG Pong-ku, charge d'affaires ad interim, KANG Yong-chang, delegation head, and KUO Mo-jo, president of the Chinese Academy of Sciences, spoke in turn. They praised Chinese and Korean scientific workers for their advancement toward peaks of science, condemned US imperialism's secret preparations for nuclear war, and denounced the modern revisionists for serving the imperialists.

Also present at the banquet were leading members including CHANG Chin-fu, WU Yu-hsun, PEI Li-sheng, TSAO Ying, WU Heng, WEI Chuan-tung, CH' IEN San-ch'iang, CH' IEN Hsueh-sen, and HUA Lo-keng. (Canton, Chung-kuo Hsin-wen, 27 Aug 63, p 4)

4. Japanese Delegation to China

A seven-member delegation of the Asian Agricultural Exchange of Japan, under the leadership of NOHARA Masakatsu, arrived in Peiping by air 22 September. On hand to greet them were HSI Feng-chou (1598/7685/3166), secretary-general of the Agronomical Society of China, and CHAO An-po (6392/1344/0590) and WANG Hsiao-yun (3769/2556/7189), board members of the Chinese People's Institute of Foreign Affairs. (Peiping, Jen-min Jih-pao, 24 Sep 63, p 3)

C-O-N-F-I-D-E-N-T-I-A-L

5. Belgian Doctor

Willy Gregoir, a Belgian urologist, arrived in Peiping by train on 11 September 1963 as the guest of the Chinese Medical Association. (Peiping, Jen-min Jih-pao, 13 Sep 63, p 4)

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

BIOGRAPHIC INFORMATION

CHANG Tzu-kung (1728/1311/0361), Sian Chiao-tung University; author of article, The Necessity of Using Phonetic Characters To Represent Units of Measurement. (Peiping, Kuang-ming Jih-pao, 18 Sep 63, p 4)

CHANG Wei-ch'eng (1728/4850/1004), deputy director, Chinese Academy of Agricultural Sciences, on 2 September 1963, saw off the four-member delegation of the Sino-Korean Friendship Association which attended the celebration of the 15th anniversary of the DPRK. (Peiping, Kuang-ming Jih-pao, 3 Sep 63, p 2)

CH'EN Chung-wei (7115/0022/0251), attending physician in osteology, Shanghai No 6 People's Hospital; author of article, The Source of Faith and Strength. (Peiping, Jen-min Jih-pao, 17 Aug 63, p 5)

CH'EN Han-sheng (7115/5060/4563), member, Department of Philosophy and Social Sciences, Chinese Academy of Sciences; on 31 August 1963 signed a joint CPR-North Korea-Japan statement on scientific and cultural interchange among the three nations. (Peiping, Kuang-ming Jih-pao, 2 Sep 63, p 2)

HSIEH Wen-sheng (6200/2429/3932), vice-chairman, South-Central Scientific and Technological Commission;

KUEI Shih-chih (2710/1395/0037), deputy secretary-general, China Textile Engineering Society; attended the 1963 joint annual conference of South Central China Textile Engineering Society held in Canton on 28 May 1963-6 June 1963, (Kwangtung, Nan-fang Jih-pao, 8 Jun 63, p 3)

HSIEH Yen-ch'ing (0673/5888/1987), deputy director, Shanghai Institute of Surgery, and professor of osteology, Shanghai Second Medical College; author of article, Looking at the Importance of a Doctor's Basic Skills As Regards Restoring Severed Hand. (Peiping, Kuang-ming Jih-pao, 4 Sep 63, p 2)

HUANG Chia-ssu (7806/1367/7475), president, Chinese Academy of Medical Sciences; author of article, Our Great Medical Feat. (Peiping, Jen-min Jih-pao, 17 Aug 63, p 5)

C-O-N-F-I-D-E-N-T-I-A-L

HUANG Yuan-chin (7806/0337/6930)

YANG Mei-ying (2799/2734/5391)

CH'EN Wen-ting (7115/2429/1353)

All of the Natural Polymer Chemistry, Department of Chemistry, Fukien Teachers College; coauthors of a research report, entitled "Experiment With Silica Gel in Dehydration of Raw Chinese Lacquer." (Peiping, K'o-hsueh T'ung-pao, No 8, Aug 63, pp 57-58)

KUO Te-liang (6753/1795/5328), author of a research report, entitled "Proof of the Electron Spin Resonance of Stable Free Radical 1,3,5-Triphenylformazyl." Extended thanks to HUANG Pao-t'ung (7806/5508/0681) and to CH'IU Tsu-wen (5941/4371/2429) for reading the manuscript. (Peiping, K'o-hsueh T'ung-pao, No 8, Aug 63, pp 55-57)

LI Cheng-li (2621/2973/3810)

CHANG Hsin-ying (1728/2450/5391)

Both of the Department of Biology, Peking University; authors of an article, "Comparative Studies on the Mature Embryo of Pinus Koraiensis Grown in Vitro." (Peiping, Scientia Sinica, Vol 12, No 8, Aug 63, pp 1149-1159)

LI Shou-t'zu (2621/2087/1964), vice-president Tsinghua University, and deputy secretary, CCP, Tsinghua University; participated in a meeting in support of Vietnamese people's struggle against the US on 21 July 1963. (Peiping, Pei-ching Jih-pao, 22 Jul 63, p 3)

LI Ts'ui-ying (0448/5050/5391), professor, Department of Biology, Chung-shan University, Canton. (Canton, Chung-suo Hsin-wen, 12 Aug 63, p 7)

SHEN Ch'i-i (3088/0366/4135), vice-president, Peking Agricultural University; welcomed the Korean and North Vietnam delegations who have come to Peiping to participate in the preparatory meeting for the scientific seminar of 1964. (Peiping, Kuang-ming Jih-pao, 20 Sep 63, p 1)

C-O-N-F-I-D-E-N-T-I-A-L

SUN T'ien-to (1327/1131/6995)

SS'AI Wu-wei (5591/2976/1218)

Both of the Iron and Steel Research Institute of the Ministry of Metallurgical Industry; coauthors of a research report, entitled 'Powder Pattern Analysis of the Structure of the Magnetic Domain in Alnico V.' (Peiping, K'o-hsueh T'ung-pao, No 8, Aug 63, pp 67-68)

TAI Sung-en (2071/2646/1869), deputy secretary-general, Chinese Academy of Agricultural Sciences; welcomed the Korean and North Vietnam delegations who have come to Peiping to participate in the preparatory meeting for the scientific seminar of 1964. (Peiping, Kuang-ming Jih-pao, 20 Sep 63, p 1)

T'ANG Heng-ch'u (0781/5899/2806)

CHU Hai-chih (2612/3189/0037)

Both of Institute of Geology, Chinese Academy of Sciences; coauthors of a research paper, entitled New Procedure for Making Slide Specimens of Loose Rock and Soil. Both acknowledge the assistance of the following in the above-mentioned work: SUN P'ei-yeh (1327/0012/8518), Peking Plastic Equipment and Materials Plant; P'EI Yuan-k'uei (5952/0337/1145) and YUAN Shang-t'ai (5913/0006/3141), both of China University of Science and Technology; LIU Tung-sheng (0491/2639/3932); and YU Kuo-chun (0151/0948/6874). (Peiping, K'o-hsueh T'ung-pao, No 8, Aug 63, pp 63-66)

WANG Chi-fu (3769/1323/3940), vice-president of Chung-shan Medical College; headed a lecture group of eight medical personnel on a 50-day lecturing tour of Kansu, Sinkiang, and Honan provinces, returning to Canton on 9 July 1963. (Canton, Yang-ch'eng Wan-pao, 11 Jul 63, p 1)

WANG P'eng-wan (3769/7720/5502), director, Eye, Ear, Nose, and Throat Hospital, Shanghai First Medical College; author of article, Throat Obstructions. (Shanghai, Hsin-min Wan-pao, 2 Jul 63, p 3)

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Central Intelligence Agency



Washington, D. C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

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Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0343932	78-03117A	213	1	18	5117	Scientific Information Report Chinese Science (34)	10/22/1963	89	Approved For Release	3/29/2004
AD0344702	78-03117A	214	1	21	5149	Scientific Information Report Chinese Science (35)	11/4/1963	133	Approved For Release	3/29/2004
AD0344965	78-03117A	215	1	4	5163	Scientific Information Report Chinese Science (36)	11/7/1963	133	Approved For Release	3/29/2004
AD0345229	78-03117A	215	1	23	5182	Scientific Information Report Chinese Science (37)	11/18/1963	179	Approved For Release	3/29/2004
AD0345750	78-03117A	216	1	20	5209	Scientific Information Report Chinese Science (38)	12/11/1963	174	Approved For Release	3/29/2004
AD0344419	78-03117A	217	1	20	5241	Scientific Information Report Chinese Science (39)	12/27/1963	75	Approved For Release	3/29/2004
AD0346493	78-03117A	218	1	21	5277	Scientific Information Report Chinese Science (40)	1/10/1964	115	Approved For Release	3/29/2004
AD0346725	78-03117A	219	1	27	5320	Scientific Information Report Chinese Science (41)	1/27/1964	78	Approved For Release	3/29/2004
AD0347051	78-03117A	220	1	25	5359	Scientific Information Report Chinese Science (42)	2/6/1964	78	Approved For Release	3/29/2004
AD0347849	78-03117A	221	1	39	5407	Scientific Information Report Chinese Science (43)	3/2/1964	174	Approved For Release	3/29/2004
AD0347929	78-03117A	222	1	25	5438	Scientific Information Report Chinese Science (44)	3/5/1964	104	Approved For Release	3/29/2004
AD0348352	78-03117A	223	1	20	5479	Scientific Information Report Chinese Science (45)	3/20/1964	117	Approved For Release	3/29/2004
AD0349491	78-03117A	225	1	18	5560	Scientific Information Report Chinese Science (46)	4/24/1964	118	Approved For Release	3/29/2004
AD0349657	78-03117A	225	1	34	5581	Scientific Information Report Chinese Science (47)	5/4/1964	98	Approved For Release	3/29/2004
AD0332751	78-03117A	183	1	29	3940	Scientific Information Report Electronics And Engineering (22)	10/19/1962	68	Approved For Release	3/29/2004
AD0333146	78-03117A	186	1	20	4041	Scientific Information Report Electronics And Engineering (23)	11/23/1962	73	Approved For Release	3/29/2004
AD0334103	78-03117A	188	1	37	4136	Scientific Information Report Electronics And Engineering (24)	12/20/1962	62	Approved For Release	3/29/2004
AD0334236	78-03117A	190	1	40	4217	Scientific Information Report Electronics And Engineering (25)	1/22/1963	48	Approved For Release	3/29/2004
AD0334769	78-03117A	193	1	39	4339	Scientific Information Report Electronics And Engineering (26)	2/28/1963	68	Approved For Release	3/29/2004
AD0335480	78-03117A	196	1	17	4436	Scientific Information Report Electronics And Engineering (27)	3/21/1963	95	Approved For Release	3/29/2004
AD0336306	78-03117A	199	1	2	4538	Scientific Information Report Electronics And Engineering (28)	4/25/1963	69	Approved For Release	3/29/2004
AD0332433	78-03117A	183	1	35	3946	Scientific Information Report Organization And Administration Of Soviet Science (5)	10/22/1962	60	Approved For Release	3/29/2004